#1
1549

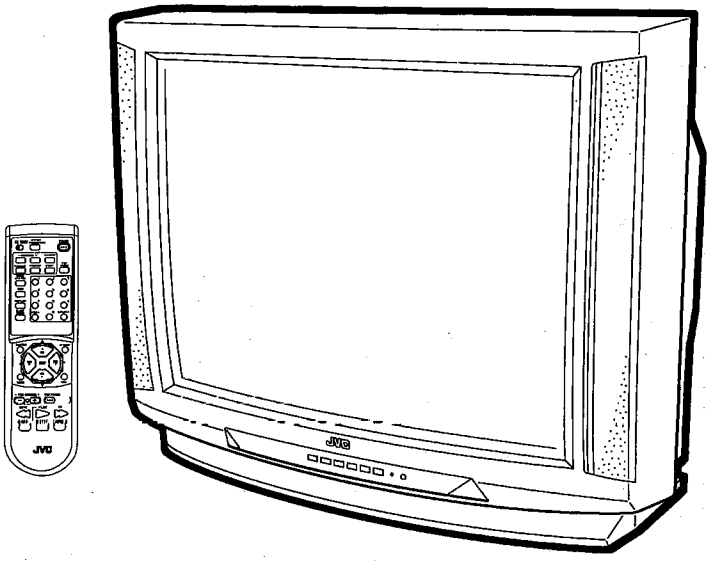
JVC

SERVICE MANUAL

COLOR TELEVISION

BASIC CHASSIS
GR

AV-27D500 (US&CA)
AV-32D500 (US&CA)
AV-32D500 (A US&A CA)



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No.51515
Feb. 1999

SPECIFICATIONS

Items	Contents	
	AV-27D500(US&CA)	**AV-32D500 (US&CA)** **AV-32D500 (A US&A CA)**
Dimensions (W × H × D)	29-5/8" × 23-1/4" × 19-1/2"	33-7/8" × 27" × 21-5/8"
	752mm × 590mm × 494mm	859mm × 684mm × 548mm
Mass	78.1lbs / 35.5kg	114.4lbs / 52.0kg
TV System and Color system		
TV RF System	CCIR(M)	
Color System	NTSC	
Sound System	BTSC (Multi Channel Sound)	
TV Receiving Channels and Frequency		
VL Band	(02～06) 54MHz～88MHz	
VH Band	(07～13) 174MHz～216MHz	
UHF Band	(14～69) 470MHz～806MHz	
CATV Receiving Channels and Frequency		
Low Band	(02～06, A-8) by (02～06&01)	(54MHz～804MHz)
High Band	(07～13) by (07～13)	
Mid Band	(A～1) by (14～22)	
Super Band	(J～W) by (23～36)	
Hyper Band	(W+1～W+28) by (37～64)	
Ultra Band	(W+29～W+84) by (65～125)	
Sub Mid Band	(A8, A4～A1) by (01, 96～99)	
TV/CATV Total Channel	180 Channels	
Intermediate Frequency		
Video IF Carrier	45.75 MHz	
Sound IF Carrier	41.25 MHz (4.5MHz)	
Color Sub Carrier	3.58 MHz	
Power Input	120V AC, 60Hz	
Power Consumption	123W(US) / 1.8A(CA)	133W(US) / 1.9A(CA)
Picture Tube	27" (73cm) measured diagonally, Full Square	32" (80cm) measured diagonally, Full Square
High Voltage	29kV±1.3kV (at zero beam current)	31kV±1.3kV (at zero beam current)
Speaker	2" × 4-3/4" / 5 × 12cm Oval type × 2	
Audio Power Output	5W+5W	
Video / Audio Input (1 / 2)	Video(1,2) : 1Vp-p 75Ω (RCA pin jack) Audio(1,2) : 500mVrms (-4dBs), High Impedance (RCA pin jack) S-Video (Input 1 Over) Y : 1Vp p positive negative sync provided, when terminated with 75Ω) C : 0.286Vp-p (burst signal, when terminated with 75Ω) Component Input (Input 2) Y : 1Vp-p positive (negative sync provided, when terminated with 75Ω) P_B/P_R : 0.7Vp-p 75Ω	
Audio Output **(Variable / Fix : Selectable)**	Variable : More then 0～1550mVrms (+6dBs) Low Impedance (1kHz when modulated 100%) (RCA pin jack) Fix : 500mVrms(-4dBs) Low Impedance (1kHz when modulated 100%) (RCA pin jack)	
AV Compu link EX Input	3.5mm mini jack	
Antenna terminal	75Ω (VHF/UHF) Terminal, F-Type Connector	
Remote Control Unit	RM-C343-1C (AA/R6/UM-3 battery × 2)	

Design & specifications are subject to change without notice.

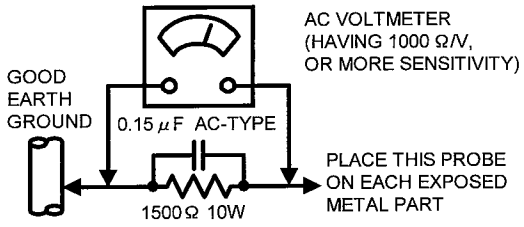
SAFETY PRECAUTIONS

1. The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
4. **Use isolation transformer when hot chassis.**
   The chassis and any sub-chassis contained in some products are connected to one side of the AC power line. An isolation transformer of adequate capacity should be inserted between the product and the AC power supply point while performing any service on some products when the HOT chassis is exposed.
5. **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
   Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED(NEUTRAL) : (⏚) side GND and EARTH : (⏚) side GND. Don't short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND and never measure with a measuring apparatus (oscilloscope etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND at the same time.
   If above note will not be kept, a fuse or any parts will be broken.
6. If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B1 POWER SUPPLY).
7. The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
8. Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.
9. When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.
10. **Isolation Check**
    (Safety for Electrical Shock Hazard)
    After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screwheads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

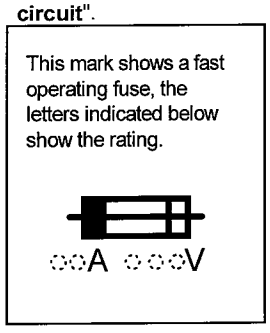
(1) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 1100V AC (r.m.s.) for a period of one second.
(. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires a test equipment not generally found in the service trade.

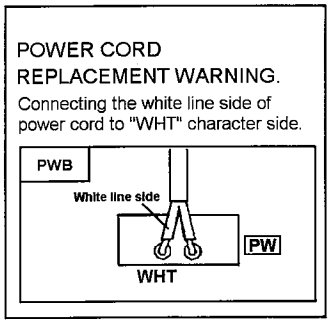
(2) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

● **Alternate Check Method**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 ohms per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



11. **High voltage hold down circuit check.**
    After repair of the high voltage hold down circuit, this circuit shall be checked to operate correctly.
    See item "**How to check the high voltage hold down circuit**".

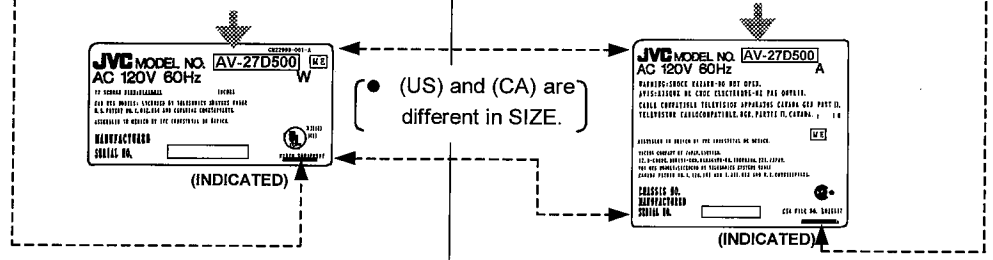




HOW TO IDENTIFY MODELS

AV-27D500 (US&CA)

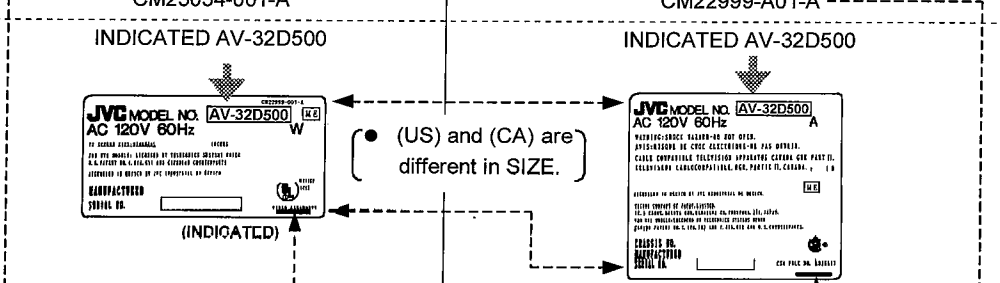
⚠	MODEL / Parts name	AV-27D500(US)	AV-27D500(CA)
⚠	RATING LABEL	CM23034-001-A	CM22999-A01-A



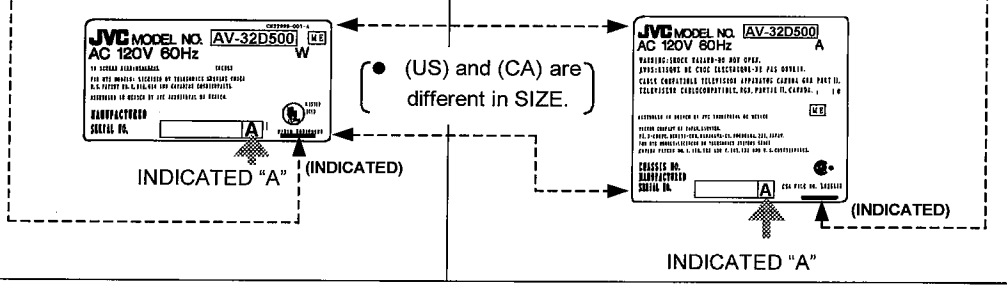
AV-32D500 (US&CA) / AV-32D500 (A US&A CA)

- **For model AV-32D500 (A US&A CA), the suffix "A" is added to the serial number on the rating label.**
  (The difference between AV-32D500 (A US&A CA) and AV-32D500 (US&CA) is in the PICTURE TUBE. As the result of the difference in picture tube, the MAIN PWB also differ.)

⚠	MODEL / Parts name	AV-32D500(US)	AV-32D500(CA)
⚠	RATING LABEL	CM23034-001-A	CM22999-A01-A



⚠	MODEL / Parts name	AV-32D500(A US)	AV-32D500(A CA)
⚠	RATING LABEL	CM23034-001-A	CM22999-A01-A



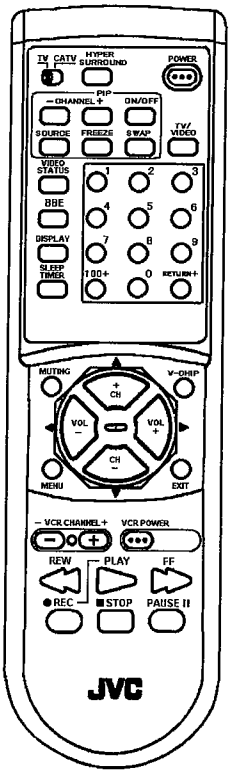
FEATURES

- New chassis design enables use of a main board with simplified circuitry.
- 2 LINE Digital Comb filter Improved picture quality.
- Full-square CRT (cathode ray tube) reproduces fine textured picture in every detail.
- With AV COMPU LINK EX terminal.
- Closed-caption broadcasts can be viewed.
- With AUDIO. VIDEO INPUT terminal.
- S-VIDEO input terminal for taking best advantage of Super VHS.
- Variable / Fix audio output terminal.
- I^2C bus control utilizes single chip ICs.
- Because build in the BBE circuit improved the sound of conversation.
- DVD deck output can inputs to component video signal input terminal.
- The hyper-surround system marks a reproduction of the acoustic effects in a theater with strong appeal.
- Because of built in 2 tuner & PIP circuit, displays plural programs on the screen at the same time.
- Built-in V-CHIP system.

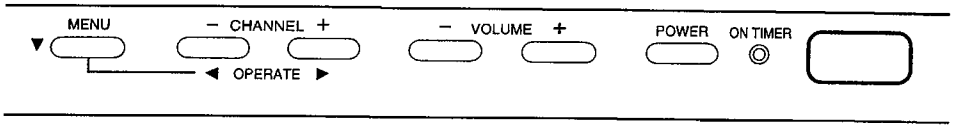
OPERATING INSTRUCTIONS

- The operating instructions are the same as for AV-27D200(US&CA)/AV-32D200(US&CA)/AV-32D200(A US&A CA) (No.51514). Therefore, please refer to the AV-27D200(US&CA)/AV-32D200(US&CA)/AV-32D200(A US&A CA) (No.51514) SERVICE MANUAL for detailed instructions.

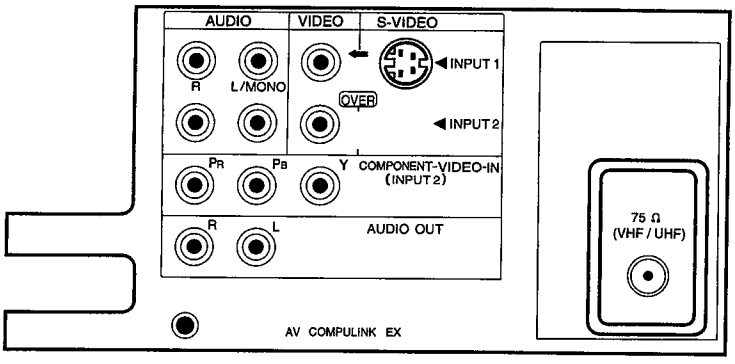
■ REMOTE CONTROL UNIT (RM-C343-1A)



■ FRONT PANEL



■ REAR PANEL



SPECIFIC SERVICE INSTRUCTIONS

DISASSEMBLY PROCEDURE

REMOVE THE REAR COVER

- Unplug the power supply cord.

1. Remove the 12 screws marked Ⓐ as shown in Fig.2.
2. Remove the rear cover toward you.

* When reinstalling the rear cover, carefully push it inward after inserting the chassis into the rear cover groove.

REMOVE THE CHASSIS

- After removing the rear cover.

1. Slightly raise the both sides of the chassis by hand and remove the 2 claws under the both sides of the chassis from the front cabinet.
2. Draw the chassis backward along the rail in the arrow direction marked Ⓑ as shown in the Fig.2.
   (If necessary, take off the wire clamp, connector's etc.)

* When conducting a check with power supplied, be sure to confirm that the CRT earth wire is connected to the CRT SOCKET PWB and the MAIN PWB.

REMOVE THE TERMINAL BOARD

- After removing the rear cover.

1. Remove the 4 screws marked Ⓒ as shown in Fig.2.
2. After removing the claw marked Ⓓ in the direction of arrow mark as shown in Fig.1.
3. When you pull out the TERMINAL BOARD in the direction of arrow marked Ⓔ as shown in Fig.1, it can be removed.
4. Thus the connector should be securely inserted when the TERMINAL BOARD is installed again.

REMOVE THE FRONT CONTROL PW BOARD

- After removing the rear cover and chassis.

1. Remove the 3 screws marked Ⓕ as shown in Fig.2.
2. Then remove the FRONT CONTROL PWB.

REMOVE THE SPEAKER

- After removing the rear cover and chassis.

1. Remove the 2 screws marked Ⓖ as shown in Fig.2.
2. Follow the same steps when removing the other hand speaker.

CHECKING THE MAIN PW BOARD

1. To check the backside of the MAIN PW Board.
   (1) Pull out the chassis. (Refer to REMOVING THE CHASSIS).
   (2) Erect the chassis vertically so that you can easily check the backside of the MAIN PW Board.

[CAUTION]

- When erecting the chassis, be careful so that there will be no contacting with other PWB.
- Before turning on power, make sure that the CRT earth wire and other connectors are properly connected.

WIRE CLAMPING AND CABLE TYING

1. Be sure to clamp the wire.
2. Never remove the cable tie used for tying the wires together. Should it be inadvertently removed, be sure to tie the wires with a new cable tie.

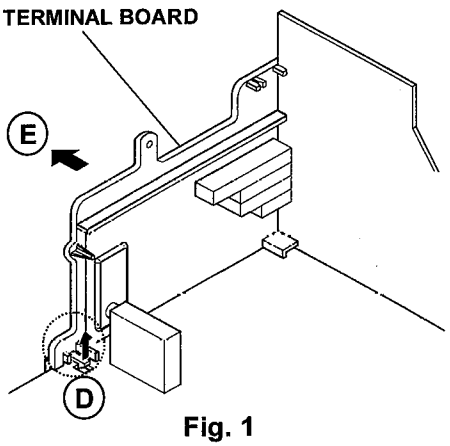


Fig. 1

[AV-27D500]

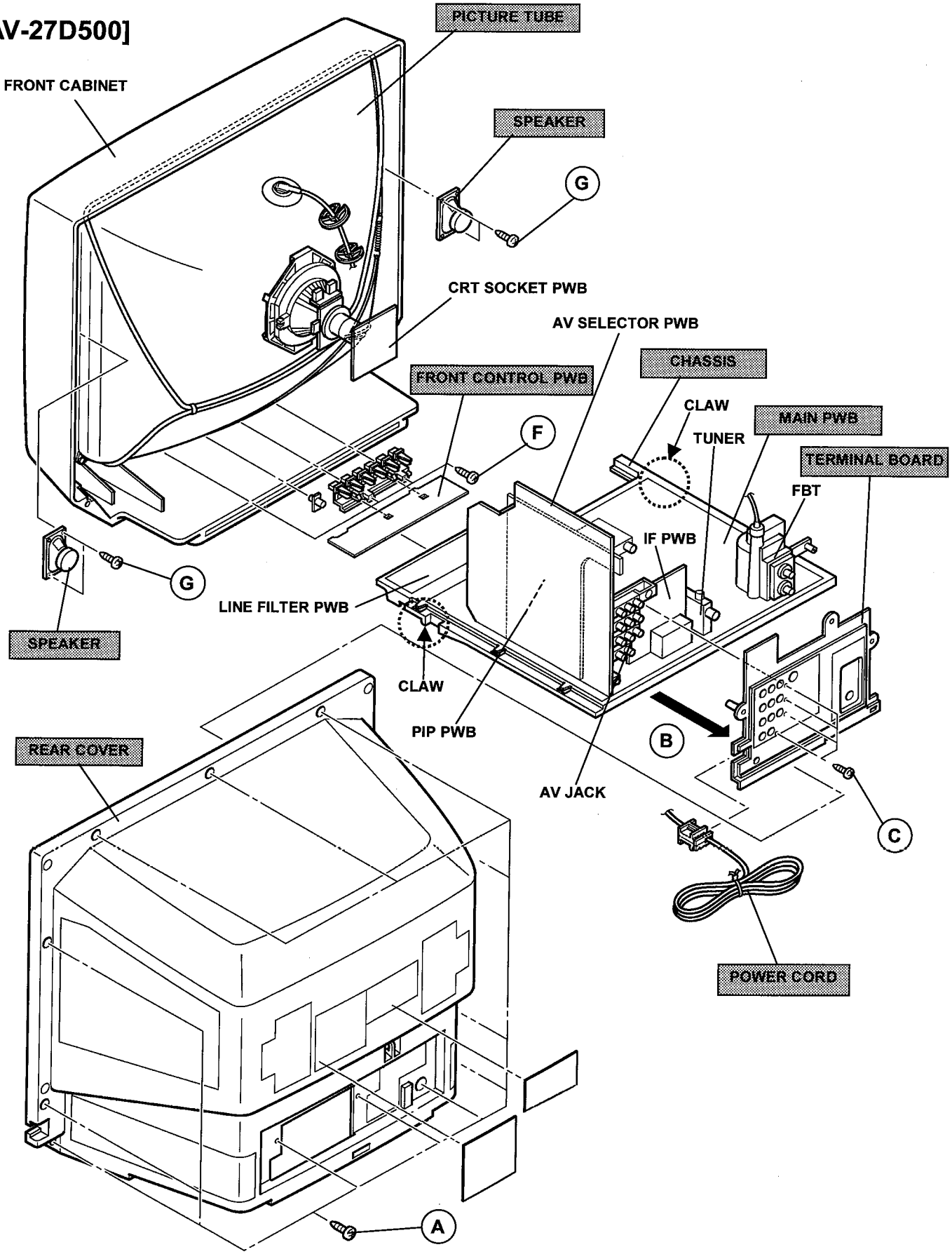


Fig.2

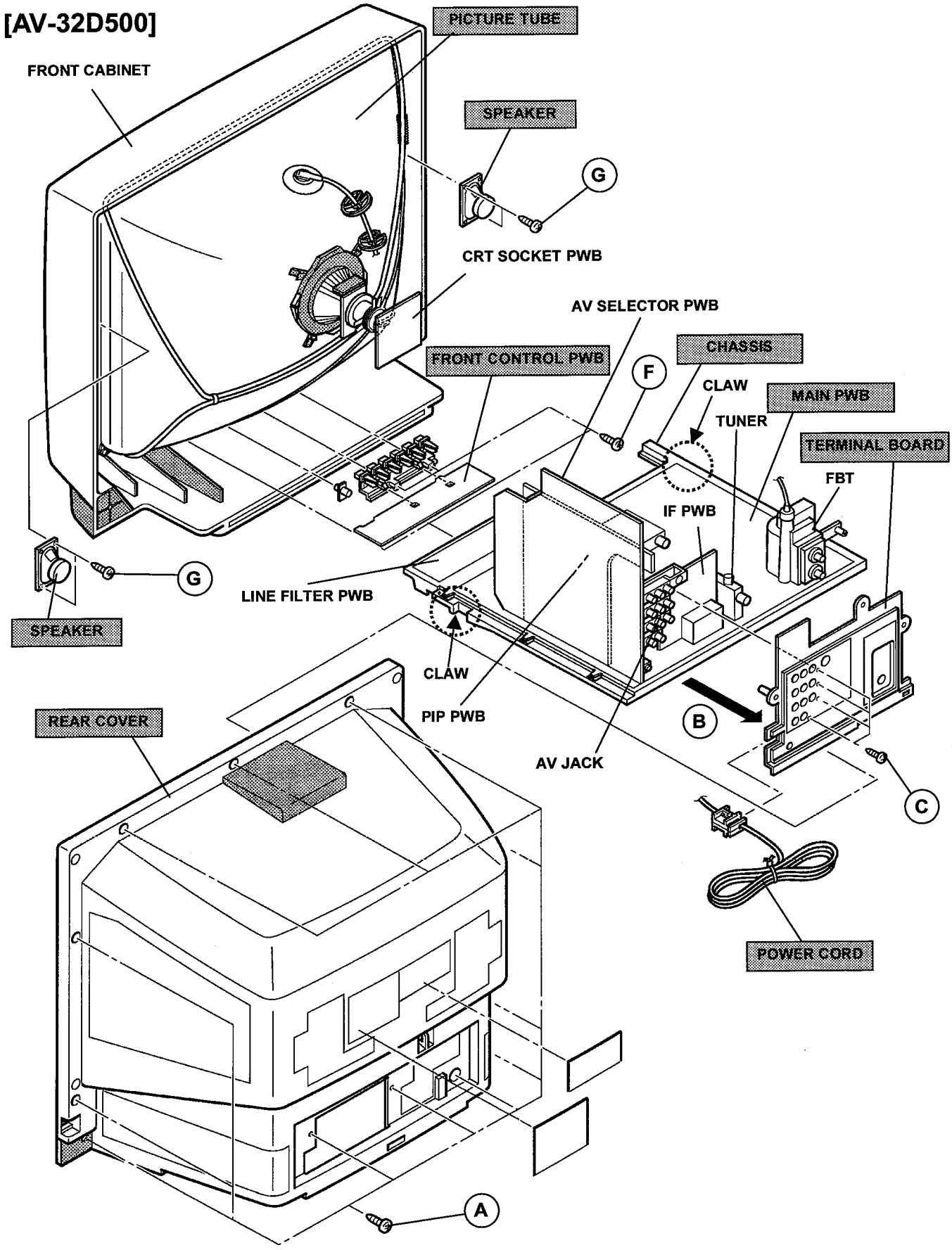

[AV-32D500]
FRONT CABINET
PICTURE TUBE
SPEAKER
G
CRT SOCKET PWB
AV SELECTOR PWB
CHASSIS
FRONT CONTROL PWB
F
CLAW
MAIN PWB
TUNER
TERMINAL BOARD
FBT
IF PWB
G
SPEAKER
LINE FILTER PWB
CLAW
PIP PWB
B
AV JACK
C
REAR COVER
POWER CORD
A

Fig.2

REMOVE THE CRT (PICTURE TUBE)

* Replacement of the CRT should be performed by 2 or more persons.
- After removing the rear cover, chassis etc.,

1. Putting the CRT change table on soft cloth, the CRT change table should also be covered with such soft cloth (shown in Fig.3).
2. While keeping the surface of CRT down, mount the TV set on the CRT change table balanced will as shown in Fig.4.
3. Remove 4 screws marked by arrows with a box type screwdriver as shown in Fig.4.

- Since the cabinet will drop when screws have been removed, be sure to support the cabinet with hands.

4. After 4 screws have been removed, put the cabinet slowly on cloth (At this time, be carefully so as not to damage the front surface of the cabinet) shown in Fig.5.

- The CRT should be assembled according to the opposite sequence of its dismounting steps.

* The CRT change table should preferably be smaller that the CRT surface, and its height be about 35cm.

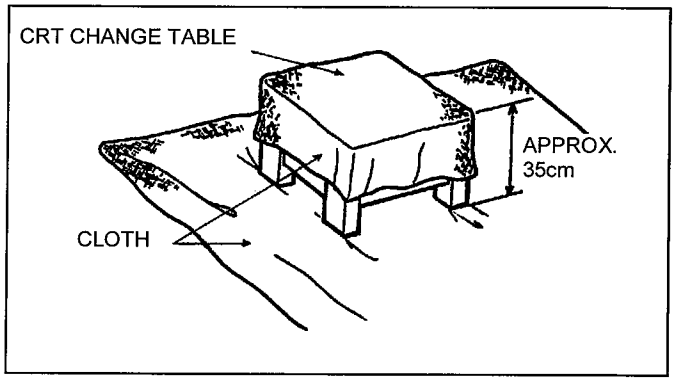


Fig. 3

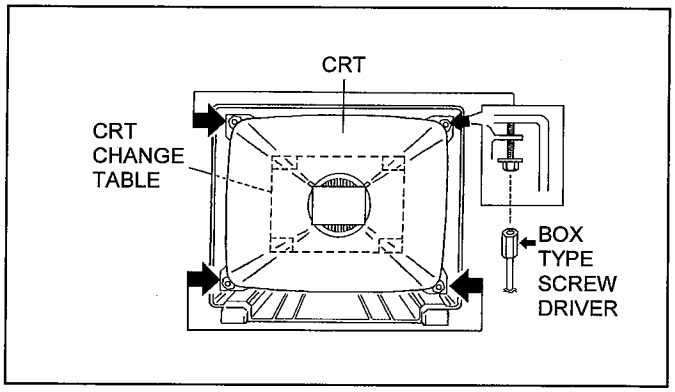


Fig. 4

COATING OF SILICON GREASE FOR ELECTRICAL INSULATION ON THE CRT ANODE CAP SECTION.

- Subsequent to replacement of the CRT and HV transformer or repair of the anode cap, etc. by dismounting them, be sure to coat silicon grease for electrical insulation as shown in Fig.6.
  Wipe around the anode button with clean and dry cloth. (Fig.6)
  Coat silicon grease on the section around the anode button. At this time, take care so that any silicon greases dose not sticks to the anode button. (Fig.7)

★ **Silicon grease product No. KS - 650N**

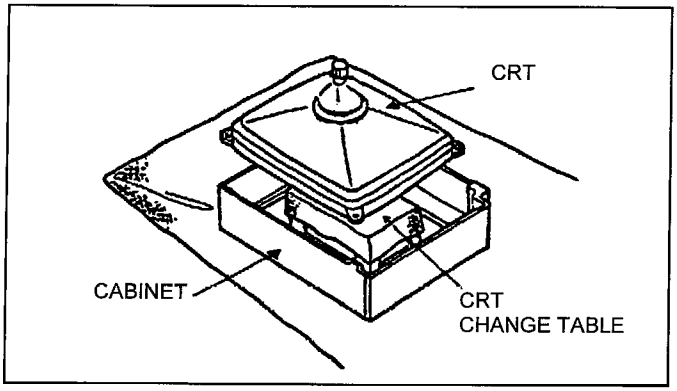


Fig. 5

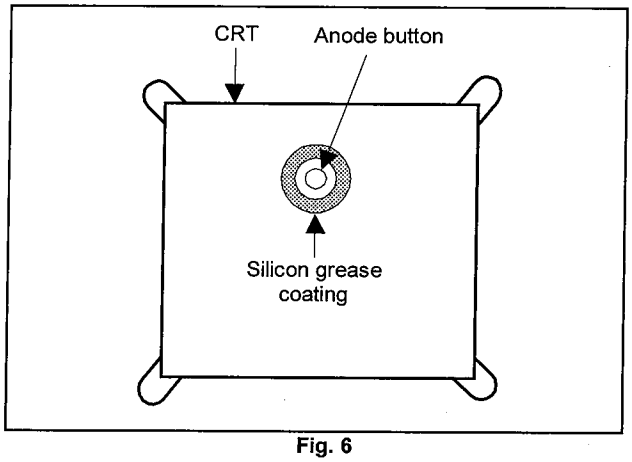


Fig. 6

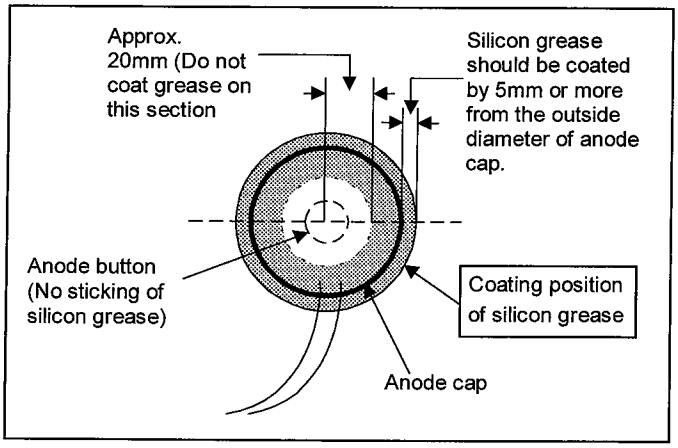


Fig. 7

MEMORY IC REPLACEMENT

1. Memory IC

This model uses a memory IC.
This memory IC stores data for proper operation of the video and deflection circuits.
When replacing, be sure to use an IC containing this (initial value) data.

2. Memory IC replacement procedure

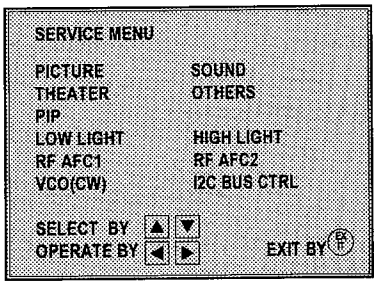
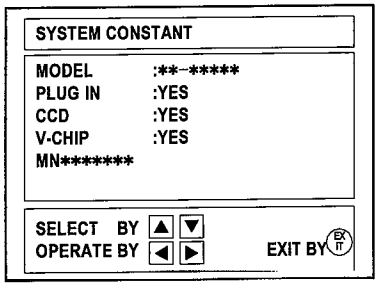
Procedure	Screen display
(1) Power off Switch off the power and disconnect the power cord from the outlet.	
(2) Replace the memory IC Initial value must be entered into the new IC.	
(3) Power on Connect the power cord to the outlet and switch on the power.	
(4) System constant check and setting 1) Press the SLEEP TIMER key and set SLEEP TIMER for 「0 min」. 2) Before disappear the display of SLEEP TIMER settings, simultaneously press the DISPLAY key and VIDEO STATUS key of the remote control unit. 3) The SERVICE MENU screen of Fig.1 is displayed. 4) While the SERVICE MENU is displayed, again simultaneously press the DISPLAY and VIDEO STATUS keys to display the SYSTEM CONSTANT screen in Fig.2. 5) Refer to the SYSTEM CONSTANT table and check the setting items. Where these differ, select the setting item with the MENU UP/DOWN key and adjust the setting with the MENU LEFT/RIGHT keys. (The letters of the selected item are displayed in yellow.) 6) After adjusting, release the MENU LEFT/RIGHT key to store the setting value. 7) Press the EXIT key twice to return the normal screen.	**SERVICE MENU**  Fig.1  Fig.2
(5) Receive channel setting Refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the receive channels (Channels Preset) as described.	
(6) User settings Check the user setting items according to Table 2. Where these do not agree, refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the items as described.	
(7) SERVICE MENU setting Verify what to set in the SERVICE MENU, and set whatever is necessary. (Fig.1) Refer to the SERVICE ADJUSTMENT for setting.	

TABLE 1 (System Constant setting)

Setting item	Setting constant	Setting value	
		AV-27D500(US&CA)	AV-32D500 (US&CA)/(A US&A CA)
MODEL	AV-27D500 → AV-32D500 → AV-32D200 → AV-27D200 →	AV-27D500	AV-32D500
PLUG IN	YES → NO →	YES	←
CCD	YES → NO →	YES	←
V-CHIP	YES → NO →	YES	←

TABLE 2 (User setting)

Setting item	Setting value	Setting item	Setting value
1. Use remote controller keys			
POWER	OFF	DISPLAY	OFF
CHANNEL	CH-02	VIDEO STATUS	STANDARD
VOLUME	Proper sound volume	SLEEP TIMER	0
TV/VIDEO	TV		
CLOSED CAPTION	OFF(CC1/T1/BLACK)		
HYPER SURROUND	OFF		
BBE	ON		
2. Settings of MENU			
PICTURE ADJUST		**INITIAL SETUP**	
TINT	CENTER	TV SPEAKER	ON
COLOR	CENTER	AUDIO OUT	FIX
PICTURE	CENTER	COMPONENT-IN	NO
BRIGHT	CENTER	LANGUAGE	ENG
DETAIL	CENTER	CLOSED CAPTION	CAPTION : CC1 TEXT : T1
NOISE MUTING	ON		
SET VIDEO STATUS	ALL CENTER	AUTO TUNER SET UP	TUNER MODE : AIR
		CHANNEL SUMMARY	Unnecessary to set
SOUND ADJUST		V-CHIP	OFF SET TV RATINGS : ALL CLEAR SET MOVIE RATINGS : ALL CLEAR UNRATED : VIEW
BASS	CENTER		
TREBLE	CENTER		
BALANCE	CENTER		
MTS	STEREO	SET LOCK CODE	Unnecessary to set
CLOCK / TIMERS			
SET CLOCK	Unnecessary to set		
ON/OFF TIMER	NO		

SERVICE ADJUSTMENTS

ADJUSTMENT PREPARATION:

1. **You can make the necessary adjustments for this unit with either the remote control unit or with the adjustment instrument and parts as given below.**
2. **Adjustment with the remote control unit is made on the basis of the initial setting values, however, the new setting values which set the screen to its optimum condition may differ from the initial settings.**
3. Make sure that AC power is turned on correctly.
4. Turn on the power for the set and test equipment before use, and start the adjustment procedures after waiting at least 30 minutes.
5. Unless otherwise specified, prepare the most suitable reception or input signal for adjustment.
6. Never touch any adjustment parts, which are not specified in the list for this adjustment-variable resistors, transformers, condensers, etc.
7. Presetting before adjustment.
   Unless otherwise specified in the adjustment instructions, preset the following functions with the remote control unit.

VIDEO STATUS	STANDARD
HYPER SURROUND	OFF
TINT, COLOR, PICTURE BRIGHT, DETAIL	CENTER
BASS, TREBLE, BALANCE	CENTER
AUDIO OUT	FIX

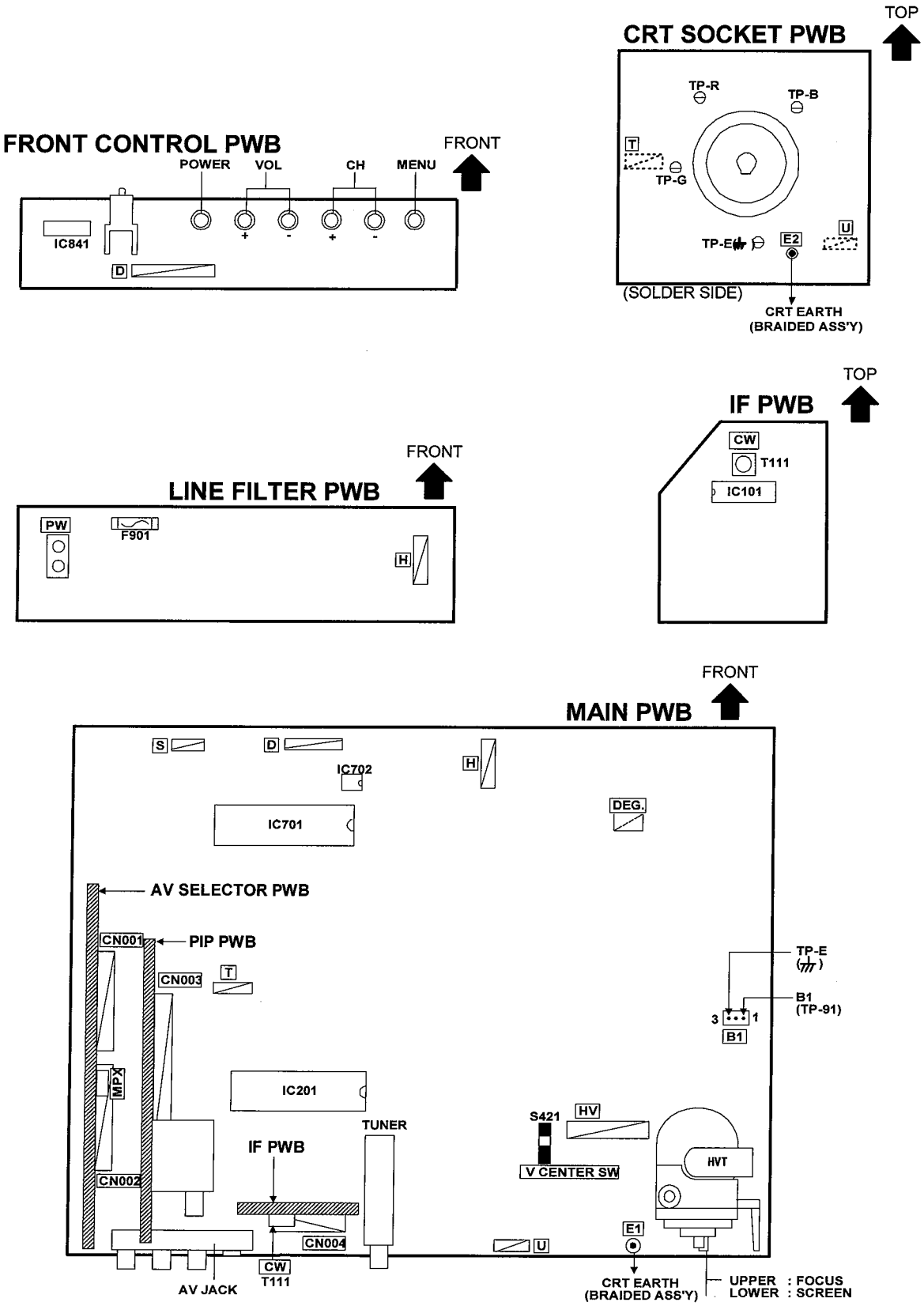
MEASURING INSTRUMENT

1. DC voltmeter(or digital voltmeter)
2. Oscilloscope
3. Signal generator (Pattern generator) [NTSC]
4. Remote control unit
5. TV audio multiplex signal generator
6. Frequency counter

ADJUSTMENT ITEMS

●Check of B1 POWER SUPPLY
●IF VCO adjustment
●RF AGC adjustment
●FOCUS adjustment
●DEFLECTION adjustment
  V. CENTER, V. SIZE adjustment
  H. POSITION, H SIZE, SIDE PIN adjustment
●VIDEO / CHROMA adjustment
  WHITE BALANCE (Low light) adjustment
  WHITE BALANCE (High light) adjustment
  SUB BRIGHT adjustment
  SUB CONTRAST adjustment
  SUB COLOR adjustment
  SUB TINT adjustment
  DEMODULATION RATIO adjustment
●PIP circuit adjustment
  WHITE BALANCE adjustment
  DISPLAY POSITION adjustment
  SUB BRIGHT adjustment
●MTS circuit adjustment
  INPUT LEVEL adjustment
  STEREO VCO adjustment
  SAP VCO adjustment
  FILTER check
  SEPARATION adjustment

ADJUSTMENT LOCATIONS



BASIC OPERATION OF SERVICE MENU

1. Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

2. **In general, basic setting (adjustments) items or verifications are performed in the SERVICE MENU.**
   (1) PICTURE ····· This set the setting values (adjustment values) of the VIDEO/CHROMA and DEFLECTION circuits.
   (2) SOUND ····· This set the setting values (adjustment values) of the AUDIO circuit.
   (3) THEATER ····· This is used when the THEATER MODE is adjusted.
   (4) OTHERS ····· This is used when the OTHERS MODE is adjusted.
   (5) PIP ····· This set the setting values(adjustment values) of the PICTURE-IN-PICTURE circuit.
   ····· (PIP is means as Picture In Picture)
   (6) LOW LIGHT ····· This sets the setting values (adjustment values) of the WHITE BALANCE circuit.
   (7) HIGH LIGHT ····· This sets the setting values (adjustment values) of the WHITE BALANCE circuit.
   (8) RF AFC1 ····· This is used when the RF AFC1 MODE is verified. **[Do not adjust]**
   (9) RF AFC2 ····· This is used when the RF AFC2 MODE is verified. **[Do not adjust]**
   (10)VCO (CW) ····· This is used when the IF VCO is adjusted.
   (11)I²C BUS CTRL ····· This is used when ON/OFF of the I²C BUS CTRL is set. **[Fixed ON]**

3. **Basic Operations of the SERVICE MENU**
   (1) How to enter the SERVICE MENU.
   Press the **SLEEP TIMER** key and set the **SLEEP TIMER** for 「0 MIN」.
   Then press the **DISPLAY** key and **VIDEO STATUS** key of the remote control unit at the same time to enter the SERVICE MENU screen shown in figure page later.

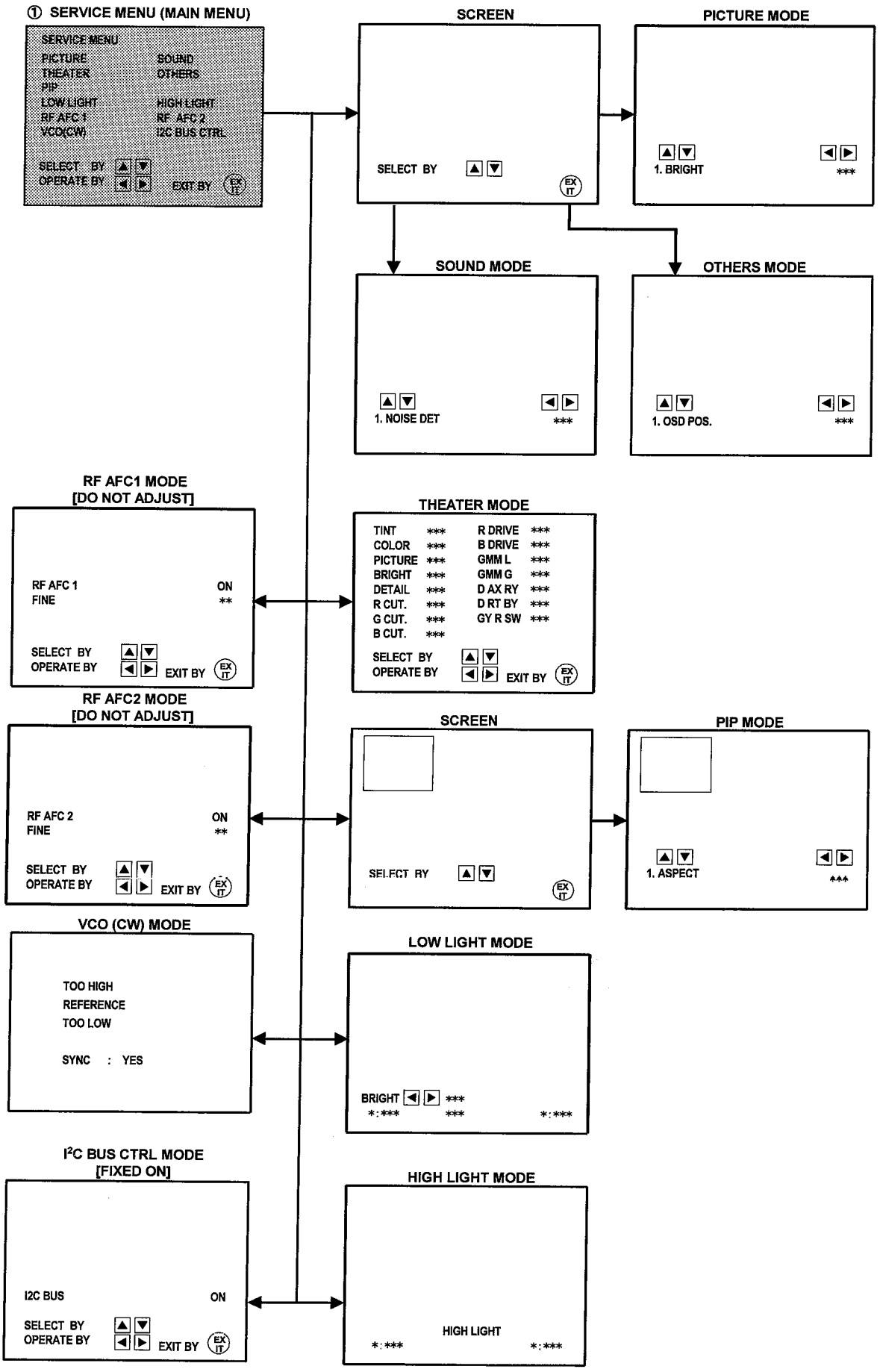
   (2) SERVICE MENU screen selection
   Press the UP / DOWN key of the MENU to select any of the following items.
   (The letters of the selected items are displayed in yellow.)

   - **PICTURE**
   - **SOUND**
   - **THEATER**
   - **OTHERS**
   - **PIP**
   - **LOW LIGHT**
   - **HIGH LIGHT**
   - **RF AFC1**
   - **RF AFC2**
   - **VCO (CW)**
   - **I²C BUS CTRL**

   (3) Enter the any setting (adjustment) mode
   - **PICTURE, SOUND** and **OTHERS** mode
     1) If select any of **PICTURE**, **SOUND** or **OTHERS** items, the LEFT / RIGHT key is pressed from SERVICE MENU (MAIN MENU), the selectable screen will be displayed as shown in figure page later.
     2) Then the UP / DOWN key is pressed, the **PICTURE** mode screen or the **SOUND** mode screen or the **OTHERS** mode screen is displayed, and the **PICTURE, SOUND** or **OTHERS** setting can be performed.

   - **THEATER, LOW LIGHT, HIGH LIGHT, RF AFC1, RF AFC2, VCO (CW)** and **I²C BUS CTRL** mode
     1) If select any of **THEATER / LOW LIGHT / HIGH LIGHT / RF AFC1 / RF AFC2 / VCO (CW) / I2C BUS CTRL** items, and the LEFT / RIGHT key is pressed from SERVICE MENU (MAIN MENU), the each screens will be displayed as shown in figure page later.
     2) Then the settings or verifications can be performed.

   - **PIP** mode
     1) If select the **PIP** item, and the LEFT/RIGHT key is pressed from SERVICE MENU(MAIN MENU), the screen will be displayed as shown in figure page later.
     2) Then UP/DOWN key is pressed, the **PIP** mode screen is displayed, and the **PIP** setting can be performed.

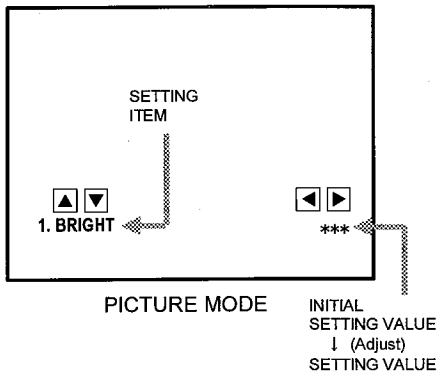

① SERVICE MENU (MAIN MENU)
SERVICE MENU
PICTURE
SOUND
THEATER
OTHERS
PIP
LOW LIGHT
HIGH LIGHT
RF AFC 1
RF AFC 2
VCO(CW)
I2C BUS CTRL
SELECT BY
OPERATE BY
EXIT BY
SCREEN
SELECT BY
PICTURE MODE
1. BRIGHT
***
SOUND MODE
1. NOISE DET
***
OTHERS MODE
1. OSD POS.
***
RF AFC1 MODE
[DO NOT ADJUST]
RF AFC 1
ON
FINE
**
SELECT BY
OPERATE BY
EXIT BY
THEATER MODE
TINT ***
COLOR ***
PICTURE ***
BRIGHT ***
DETAIL ***
R CUT. ***
G CUT. ***
B CUT. ***
R DRIVE ***
B DRIVE ***
GMM L ***
GMM G ***
D AX RY ***
D RT BY ***
GY R SW ***
SELECT BY
OPERATE BY
EXIT BY
RF AFC2 MODE
[DO NOT ADJUST]
RF AFC 2
ON
FINE
**
SELECT BY
OPERATE BY
EXIT BY
SCREEN
SELECT BY
PIP MODE
1. ASPECT
***
VCO (CW) MODE
TOO HIGH
REFERENCE
TOO LOW
SYNC : YES
LOW LIGHT MODE
BRIGHT ***
*:***
***
*:***
I²C BUS CTRL MODE
[FIXED ON]
I2C BUS
ON
SELECT BY
OPERATE BY
EXIT BY
HIGH LIGHT MODE
HIGH LIGHT
*:***
*:***

(4) Setting method

1) UP / DOWN key of the MENU
Select the SETTING ITEM.

2) LEFT / RIGHT key of the MENU
Setting (adjust) the SETTING VALUE of the SETTING ITEM.
When the key is released the SETTING VALUE will be stored (memorized).

3) EXIT key
Returns to the previous screen.



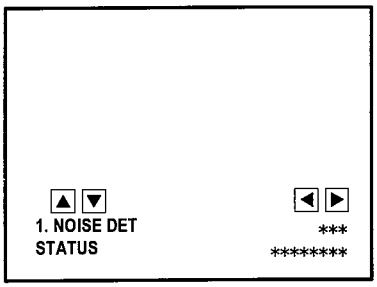
PICTURE MODE

(5) Releasing SERVICE MENU

1) After returning to the SERVICE MENU upon completion of the setting (adjustment) work, press the EXIT key again.

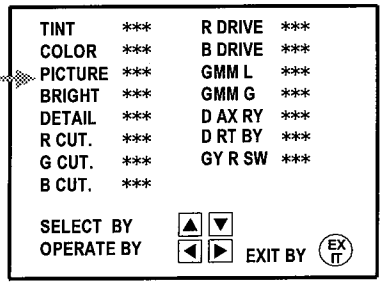
★ The settings for LOW LIGHT and HIGH LIGHT are described in the WHITE BALANCE page of ADJUSTMENT.

★ The setting for VCO (CW) are described in the IF VCO page of ADJUSTMENT.

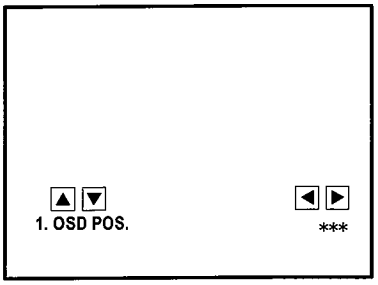


SOUND MODE

The letters of the selected items are displayed in yellow.


TINT *** R DRIVE ***
COLOR *** B DRIVE ***
PICTURE *** GMM L ***
BRIGHT *** GMM G ***
DETAIL *** D AX RY ***
R CUT. *** D RT BY ***
G CUT. *** GY R SW ***
B CUT. ***
SELECT BY
OPERATE BY
EXIT BY
EXIT

THEATER MODE



OTHERS MODE

INITIAL SETTING VALUE OF SERVICE MENU

1. **Adjustment of the SERVICE MENU is made on the basis of the initial setting values; however, the new setting values which set the screen in its optimum condition may differ from the initial setting.**
2. **Do not change the initial setting values of the setting (adjustment) items not listed in "ADJUSTMENT".**

No	Setting (Adjustment) item	Variable range	Initial setting value		
			AV-32D500	AV-32D500(A)	AV-27D500
1.	BRIGHT	0~255	127	127	127
2.	PICTURE	0~127	85	85	80
3.	COLOR	0~127	55	55	55
4.	TINT	0~127	70	70	70
5.	TV DETAIL	0~127	30	30	30
6.	EXT BRIGHT	±25	±0	±0	±0
7.	EXT PICT.	±25	±0	±0	±0
8.	EXT COLOR	±25	-4	-4	-3
9.	EXT TINT	±25	-4	-4	-4
10.	EXT DETAIL	0~127	30	30	30
11.	CMP BRIGHT	±25	-1	-1	-1
12.	CMP PICT.	±25	±0	±0	±0
13.	CMP COLOR	0~127	88	88	88
14.	CMP TINT	0~127	54	54	53
15.	CMP DETAIL	0~127	63	63	63
16.	TV APA DL	0 / 1	0	0	0
17.	EXT APA DL	0 / 1	0	0	0
18.	CMP APA DL	0 / 1	0	0	0
19.	DC TRAIN	0 / 1	1	1	1
20.	COLOR TRCK	0 / 1	0	0	0
21.	TV PR/OVR	0~7	7	7	7
22.	EXT PR/OVR	0~7	6	6	6
23.	CMP PR/OVR	0~7	6	6	6
24.	B ST GAIN	0~15	10	10	10
25.	W GMM LVL	0~15	4	4	4
26.	W GMM GAIN	0~15	5	5	5
27.	B ST SL PS	0~15	2	2	2
28.	W CHARA CR	0~15	3	3	3
29.	W CHARA SL	0~31	9	9	9
30.	DEMO AX RY	0~31	17	17	17
31.	DEMO RT BY	0~63	30	30	30
32.	GY RT SW	0~3	2	2	2
33.	CMP D AX R	0~31	12	12	12
34.	CMP D RT B	0~63	30	30	30
35.	CMP GY SW	0~3	2	2	2
36.	CMP R CUT	±50	±0	±0	±0
37.	CMP G CUT	±50	±0	±0	±0
38.	CMP B CUT	±50	±0	±0	±0
39.	CMP R DRV	±99	±0	±0	±0
40.	CMP B DRV	±99	±0	±0	±0

No	Setting (Adjustment) item	Variable range	Initial setting value		
			AV-32D500	AV-32D500(A)	AV-27D500
41.	V SIZE	0~127	33	33	47
42.	V S CR	0~63	20	20	10
43.	V LIN	0~63	50	50	50
44.	H POSI	0~63	11	11	16
45.	H SIZE	0~63	41	41	29
46.	SIDE PIN	0~63	23	23	23
47.	TRAPEZ	0~63	39	39	41
48.	EW COR TOP	0~125	0	0	0
49.	EW COR BTM	0~125	3	3	5
50.	BLK SW	0/1	0	0	0
51.	TV AFC1	0~3	2	2	2
52.	EXT AFC1	0~3	2	2	2
53.	CUT OFFSET	0~127	63	63	63
54.	DRV OFFSET	0~63	31	31	31
55.	AGC ADJ	0~127	65	65	65

● **SOUND MODE**

No	Setting (Adjustment) item	Variable range	Initial setting value	
			AV-32D500 / (A)	AV-27D500
1.	NOISE DET.	0 / 1	1	1
2.	IN LEVEL	0~63	15	15
3.	FH MONITOR	0 / 1	0	0
4.	STEREO VCO	0~63	30	30
5.	PILOT CAN.	0 / 1	0	0
6.	FILTER	0~63	30	30
7.	LOW SEP.	0~63	28	28
8.	HI SEP.	0~63	25	25
9.	5FH MON.	0 / 1	0	0
10.	SAP VCO	0~63	27	27
11.	IN GAIN	0 / 1	0	0
12.	FIL. OFFSET	0~10	0	0
13.	BBE BASS	±15	-1	-1
14.	BBE TRE	±15	-1	-1

● **THEATER MODE**

No	Setting (Adjustment) item	Variable range	Initial setting value	
			AV-32D500 / (A)	AV-27D500
1.	TINT	±20	-1	-1
2.	COLOR	±20	6	-6
3.	PICTURE	±20	-15	-15
4.	BRIGHT	±20	±0	±0
5.	DETAIL	±15	-12	-12
6.	R CUT	±10	±0	±0
7.	G CUT	±10	±0	±0
8.	B CUT	±10	±0	±0
9.	R DRIVE	-99~+50	+43	+37
10.	B DRIVE	-99~+50	-56	-43
11.	GMM L	±15	±0	±0
12.	GMM G	±15	±0	±0
13.	D AX RY	±31	-10	-10
14.	D RT BY	±63	+7	+7
15.	GY RT SW	±3	-1	-1

- **OTHERS MODE**

No	Setting (Adjustment) item	Variable range	Initial setting value	
			AV-32D500	AV-27D500
1.	OSD POS.	0~7	2	2
2.	CCD POS.	0~15	3	3
3.	EOSEL	0 / 1	1	1
4.	MENU COLOR	-30~0	-10	-10
5.	MENU PICT.	-30~0	-10	-10
6.	MENU BRI.	-30~0	-10	-10

- **PIP MODE**

No	Setting (Adjustment) item	Variable range	Initial setting value	
			AV-32D500	AV-27D500
1.	PIP BR	0~15	6	6
2.	PIP PICT	0~15	37	37
3.	PIP TINT	0~63	36	36
4.	PIP COL	0~15	8	8
5.	P R CUT	0~15	0	0
6.	P G CUT	0~15	0	0
7.	P B CUT	0~15	0	0
8.	P R DR	0~255	88	50
9.	P G DR	0~255	93	59
10.	P B DR	0~255	84	49
11.	LEFT POS.	0~255	19	21
12.	RIGHT POS.	0~255	20	16
13.	UPPER POS.	0~127	12	12
14.	LOWER POS.	0~127	11	11
15.	PICT LOCK	0~1	1	1
16.	SELDEL	0~7	0	0
17.	AGCFIX	0~31	1	1
18.	AGCADST	0~1	1	1
19.	AGC	0~15	6	6
20.	VSPDEL	0~31	0	0
21.	VSPISQ	0~1	1	1
22.	YCOR	0~1	1	1
23.	XFREQF	0~1	1	1

● **LOW LIGHT MODE**

No	Setting (Adjustment) item	Variable range	Initial setting value
1.	R CUTOFF	(0~255)×4	80
2.	R CUT SW	0~3	1
3.	G CUTOFF	0~255	50
4.	B CUTOFF	(0~255)×4	80
5.	B CUT SW	0~3	1

● **HIGH LIGHT MODE**

No	Setting (Adjustment) item	Variable range	Initial setting value
1.	R DRIVE	(0~127)×4	80
2.	R DRV SW	0 / 1	0
3.	B DRIVE	(0~127)×2	80
4.	B DRV SW	0 / 1	0

● **RF AFC1 MODE**

Setting (Adjustment) item	Variable range	Initial setting value
RF AFC 1	ON/OFF	ON [DO NOT ADJUST]
FINE	-77~+77	±××

● **RF AFC2 MODE**

Setting (Adjustment) item	Variable range	Initial setting value
RF AFC 2	ON/OFF	ON [DO NOT ADJUST]
FINE	-77~+77	±××

● **I2C BUS CTRL MODE**

Setting (Adjustment) item	Variable range	Initial setting value
I2C BUS	ON/OFF	**[Fixed ON]**

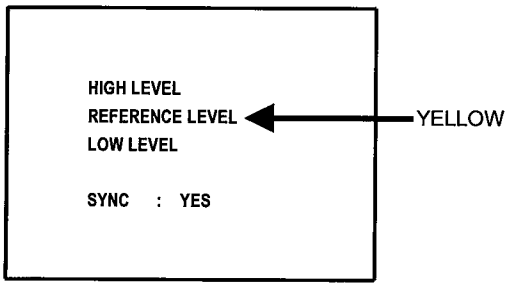
■ ADJUSTMENTS

B1 POWER SUPPLY

Item	Measuring instrument	Test point	Adjustment part	Description
Check of B1 POWER SUPPLY	DC Voltmeter	B1 (【B1】 Connector 【1】 pin) (TP-91) TP-E(⏚) (【B1】 Connector 【3】 pin)		1. Receive the black-and-white signal. (color off) 2. Connect the DC voltmeter to 【B1】 connector 【1】 pin (TP-91) and TP-E(⏚) (B1 connector 【3】 pin). 3. Confirm that the voltage is DC134V±2V.

ADJUSTMENT OF IF. VCO

Item	Measuring instrument	Test point	Adjustment part	Description
IF VCO adjustment	Signal generator		CW TRANSF. [IF PWB]	● Under normal conditions, no adjustment is required. 1. Receive the NTSC broadcast. (Use channels without offset frequency). 2. Select the VCO (CW) mode from the SERVICE MENU. 3. Confirm that the color change from 「HIGH LEVEL」 to 「LOW LEVEL」 by CW transf., and check the 「SYNC : YES」. 4. Adjust until 「REFFERENCE LEVEL」 mark turns yellow. And then confirm that the 「SYNC : YES」 again.



ADJUSTMENT OF RF AGC

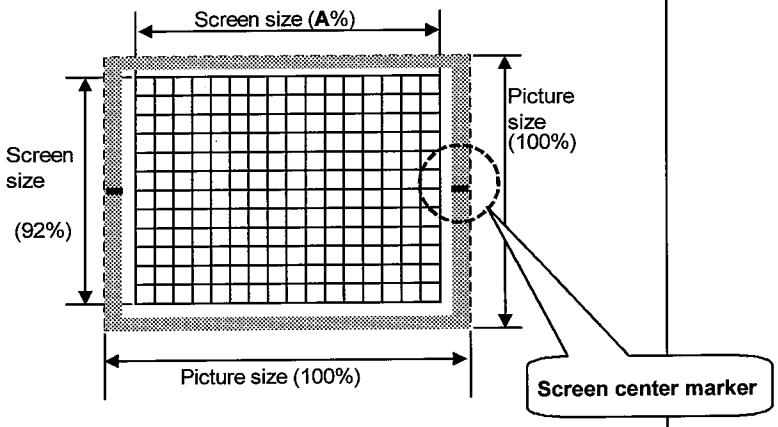
Item	Measuring instrument	Test point	Adjustment part	Description
RF. AGC adjustment			No.55 AGC ADJ	1. Receive the broadcast. 2. Select **No.55 AGC ADJ** of the PICTURE MODE. 3. Press the MUTING key and turn off color. 4. With the MENU LEFT key, let down the value to appear the noise on the screen picture. 5. Then increase the value not to see the noise on the screen (at that time, not to increase the value too much). 6. Change to other channels and make sure that there Is no irregularity. 7. Press the MUTING key and get color out.

ADJUSTMENT OF FOCUS

Item	Measuring instrument	Test point	Adjustment part	Description
FOCUS adjustment	Signal generator		FOCUS VR [built-in HVT]	1. Receive the cross-hatch signal. 2. While looking at the screen, adjust the FOCUS VR to the vertical and horizontal lines will be clear and in fine detail. 3. Make sure that the picture is in focus even when the screen gets darkened.

ADJUSTMENT OF DEFLECTION CIRCUIT

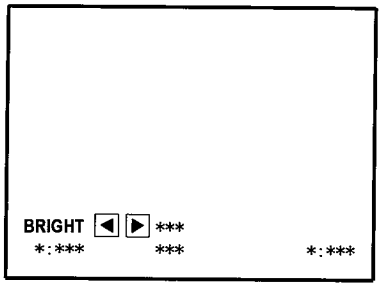
Item	Measuring instrument	Test point	Adjustment part	Description
V. CENTER V. SIZE adjustment	**Signal generator**		**No.41 V SIZE** **V. CENTER SW [MAIN PWB]**	1. Receive the cross-hatch signal. 2. Adjust the V.CENTER SW so that the horizontal line of the vertical center on the cross-hatch screen is agreement with the screen center marker. The screen center marker is positioned at both side of the screen vertical center. 3. Adjust the vertical screen size of the screen top to 92% with the **No.41 V.SIZE** of the PICTURE SERVICE (Bottom of screen is to be located within the 85%~95% range).
H. POSITION H. SIZE SIDE PIN adjustment	**Signal generator**		**No.44 H POSITION** **No.45 H SIZE** **No.46 SIDE PIN**	1. Receive the cross-hatch signal. 2. Adjust H. POSITION of left-right center with **No.44 H POSI**. 3. With **No.45 H SIZE**, adjust the screen horizontal size to A% as shown in table bellow and figure above. 4. Adjust the vertical line to straight with **No.46 SIDE PIN**.



MODEL \ VALUE	A%
AV-27D500	**90%**
AV-32D500 / (A)	**92%**

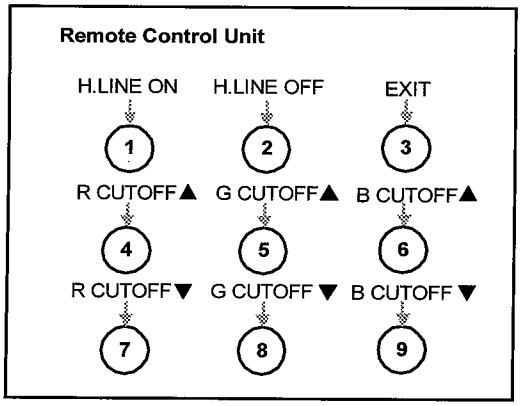
ADJUSTMENT OF VIDEO / CHROMA CIRCUIT

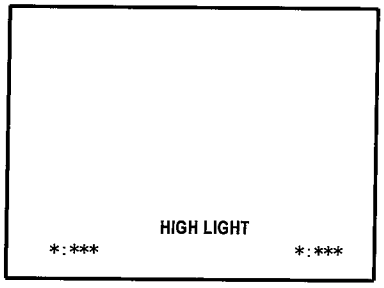
<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>WHITE BALANCE (Low Light) adjustment

 
</td><td>Signal generator</td><td></td><td>R CUTOFF
G CUTOFF
B CUTOFF

SCREEN VR</td><td>1. Receive the black and white signal (color off).
2. Select the [LOW LIGHT] MODE from the SERVICE MENU.
3. Set the initial setting value of "R CUTOFF", "G CUTOFF" and "B CUTOFF" with the ④ to ⑨ keys of the remote control unit.
4. Display a single horizontal line by pressing the ① key of the remote control unit.
5. Turn the screen VR all the way to the left.
6. Turn the screen VR gradually to the right from the left until either one of the red, blue or green colors appears faintly.
7. Adjust the two colors which did not appear until the single horizontal line that is displayed becomes white using the ④ to ⑨ keys of the remote control unit.
8. Turn the screen VR until the single horizontal line is displayed faintly.
9. Press the ② key to cancel the single horizontal line mode.

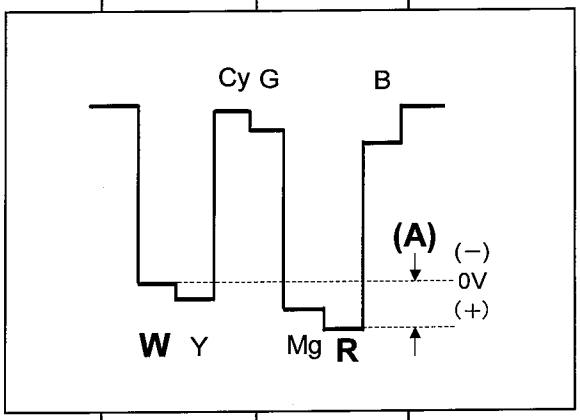
●The ③ EXIT key is the cancel key for the WHITE BALANCE.

 
</td></tr>
<tr><td>WHITE BALANCE (High Light) adjustment

 
</td><td>Signal generator</td><td></td><td>G DRIVE
B DRIVE</td><td>1. Receive the black-and-white signal (color off).
2. Select the [HIGH LIGHT] MODE in the SERVICE MENU.
3. Set the initial setting value of "R DRIVE" and "B DRIVE" with the ④, ⑥, ⑦and ⑨ keys of the remote control unit.
4. Adjust the screen until it becomes white using the ④, ⑥, ⑦ and ⑨ keys of the remote control unit.
●The ③ EXIT key is the cancel key for the WHITE BALANCE.

Remote Control Unit
①key : H.LINE ON
②key : H.LINE OFF
③key : EXIT
④key : R DRIVE ▲
⑥key : B DRIVE ▲
⑦key : R DRIVE ▼
⑨key : B DRIVE ▼</td></tr>
</table>

Item	Measuring instrument	Test point	Adjustment part	Description
SUB BRIGHT adjustment			**No.1 BRIGHT**	1. Receive the broadcast. 2. Select **No.1 BRIGHT** of the PICTURE MODE. 3. Set the initial setting value of the **No.1 BRIGHT** with the LEFT/RIGHT key of the MENU. 4. If the brightness is not the best with the initial setting value, make fine adjustment of the **No.1 BRIGHT** until you get the optimum brightness.
SUB CONTRAST adjustment			**No.2 PICTURE**	1. Receive the broadcast. 2. Select **No.2 PICTURE** of the PICTURE MODE. 3. Set the initial setting value of the **No.2 PICTURE** with the LEFT/RIGHT key of the MENU. 4. If the contrast is not the best with the initial setting value, make fine adjustment of the **No.2 PICTURE** until you get the optimum contrast.
SUB COLOR adjustment	**Signal generator** **Remote control unit**		**No.3 COLOR**	**[Method of adjustment without measuring instrument]** 1. Receive the broadcast. 2. Select **No.3 COLOR** of the PICTURE MODE. 3. Set the initial setting value of the **No.3 COLOR** with the LEFT/RIGHT key of the MENU. 4. If the color is not the best with the Initial setting value, make fine adjustment of the **No.3 COLOR** until you get the optimum color.
	Signal generator **Oscilloscope** **Remote control unit**	**TP-R** **TP-E(⏚)** **[CRT SOCKET PWB]**	**No.3 COLOR**	**[Method of adjustment using measuring instrument]** 1. Receive the broadcast. 2. Select **No.3 COLOR** of the PICTURE MODE. 3. Set the initial setting value of the **No.3 COLOR** with the LEFT/RIGHT key of the MENU. 4. Connect the oscilloscope between **TP-R** and **TP-E**. 5. Adjust COLOR and bring the value of **(A)** in the illustration to the voltage shown in the table bellow(V_{W-R}).



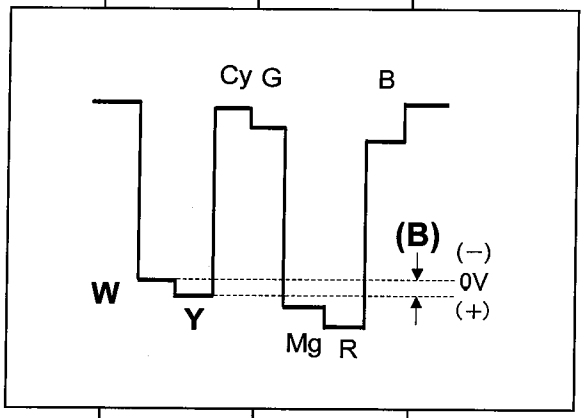
	Voltage between W-R
AV-27D500	**+32V**
AV-32D500	**+40V**

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td rowspan="2">SUB TINT adjustment</td><td>Signal generator

Remote control unit</td><td></td><td>No.4 TINT</td><td>[Method of adjustment without measuring instrument]
1. Receive the broadcast.
2. Select No.4 TINT of the PICTURE MODE.
3. Set the initial setting value of the No.4 TINT with the LEFT/RIGHT key of the MENU.
4. If the tint is not the best with the initial setting value, make fine adjustment of the No.4 TINT until you get the optimum tint.</td></tr>
<tr><td>Signal generator

Oscilloscope

Remote control unit</td><td>TP-R
TP-E(⏚)
[CRT SOCKET PWB]</td><td>No.4 TINT</td><td>[Method of adjustment using measuring instrument]
1. Receive the broadcast.
2. Select No.4 TINT of the PICTURE MODE.
3. Set the initial setting value of the No.4 TINT with the LEFT/RIGHT key of the MENU.
4. Connect the oscilloscope between TP-R and TP-E.
5. Adjust TINT and bring the value of (B) in the illustration to the voltage shown in the table bellow (V_{W-Y}).

<table><tr><th></th><th>Voltage between W-Y</th></tr><tr><td>AV-27D500</td><td>+18V</td></tr><tr><td>AV-32D500</td><td>+20V</td></tr></table></td></tr>
</table>

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td rowspan="2">DEMODULA-TION adjustment</td><td>Remote control unit</td><td></td><td>No.31 DEMO RT BY</td><td>[Method of adjustment without measuring instrument]

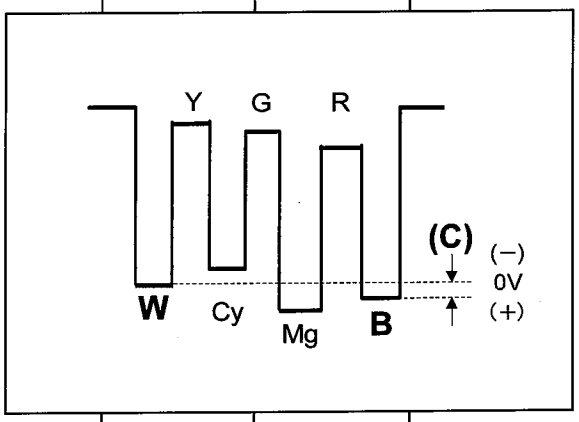
1. Receive the broadcast.
2. Select No.31 DEMO RT BY of the PICTURE MODE.
3. Set the initial setting value of the No.31 DEMO RT BY with the LEFT/RIGHT key of the MENU.
4. If the blue color gain against the red color is not the best with the initial setting value, make fine adjustment of the No.31 DEMO RT BY until you get the optimum gain.

● DEMODULATION RATIO is the adjustment of the blue color demodulation gain against the red color.</td></tr>
<tr><td>Signal generator

Oscilloscope

Remote control unit</td><td>TP-B
TP-E(⏚)
[CRT SOCKET PWB]</td><td>No.31 DEMO RT BY</td><td>[Method of adjustment using measuring instrument]

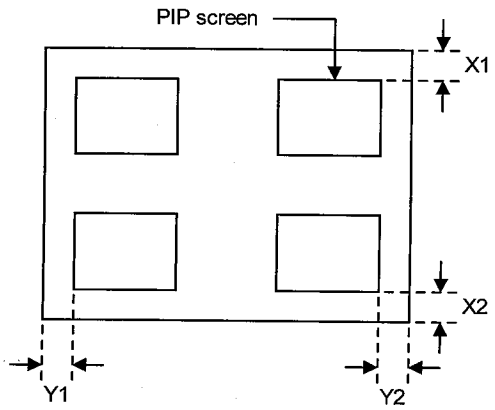
1. Receive the broadcast.
2. Select No.31 DEMO RT BY of the PICTURE MODE.
3. Set the initial setting value of the No.31 DEMO RT BY with the LEFT/RIGHT key of the MENU.
4. Connect the oscilloscope between TP-B and TP-E.
5. Adjust TINT and bring the value of (C) in the illustration to the voltage shown in the table bellow ($V_{W\text{-}B}$).</td></tr>
</table>



	Voltage between W-B
AV-27D500	**+14V**
AV-32D500	**+18V**

ADJUSTMENT OF PIP CIRCUIT

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>PIP WHITE BALANCE adjustment (HIGH LIGHT)</td><td>Signal generator</td><td></td><td>No.8 P R DR
No.9 P G DR</td><td>1. Receive the black-and-white signal.(Color off)
2. Select the No.8 P R DR, No.9 P G DR of the PIP SERVICE MODE.
3. Set the corresponding initial setting values with the LEFT/RIGHT key of the menu.
4. Adjust the No.8 P R DR, No.9 P G DR until the screen becomes white.</td></tr>
<tr><td>PIP DISPLAY POSITION adjustment</td><td>Signal generator</td><td></td><td>No.11 LEFT POS.
No.12 RIGHT POS.
No.13 UPPER POS.
No.14 LOWER POS.</td><td>1. Receive the black-and-white signal.(Color off)
2. Select the No.11 LEFT POS. of the PIP SERVICE MODE.
3. Set the initial setting value of the No.11 LEFT POS. with the LEFT/RIGHT key of the menu.
4. Adjust the No.11 LEFT POS. so that the position of the PIP screen edge of upper will be at X1 as shown.
5. Adjust the corresponding modes of No.12~No.14 with the same steps as 2~4 above.</td></tr>
<tr><td>PIP SUB BRIGHT adjustment</td><td></td><td></td><td>No.1 PIP BR</td><td>1. Receive the broadcast.
2. Select No.1 PIP BR of the PIP SERVICE MODE.
3. Set the initial setting value of the No.1 PIP BR with the LEFT/RIGHT key of the menu.
4. If the bright is not the best with the initial setting value, make fine adjustment of the No.1 PIP BR until you get the optimum bright.</td></tr>
</table>

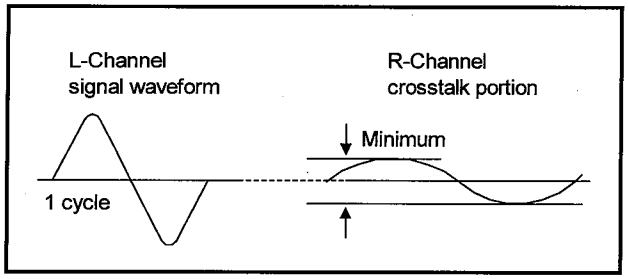


PIP SERVICE MODE No.	Item	PIP Setting position approx. (mm)	
		32inch	29inch
No.11	LEFT POSITION (Y1)	45	40
No.12	RIGHT POSITION (Y2)	45	40
No.13	UPPER POSITION (X1)	35	30
No.14	LOWER POSITION (X2)	35	30

ADJUSTMENT OF MTS CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
MTS INPUT LEVEL check			**No.2 IN LEVEL**	1. Select the **No.2 IN LEVEL** of the SOUND MODE. 2. Verify that the **No.2 IN LEVEL** is set at its initial setting value.
MTS STEREO VCO adjustment	**Signal generator** **Frequency counter**	**R OUT [AUDIO OUT]**	**No.3 FH MONITOR** **No.4 STEREO VCO**	1. Receive the RF signal (non-modulated sound signal) from the antenna terminal. 2. Select the **No.3 FH MONITOR** of SOUND MODE, and change the setting value from 0 to 1. 3. Connect the frequency counter to R out RCA pin of the AUDIO OUT. 4. Select the **No.4 STEREO VCO**. 5. Set the initial setting value of the **No.4 STEREO VCO** with the LEFT/RIGHT key of the menu. 6. Adjust the **No.4 STEREO VCO** so that the frequency counter will display 15.73kHz±0.1kHz. 7. Select the **No.3 FH MONITOR** of the SOUND MODE, and reset the setting value from 1 to 0.
MTS SAP VCO adjustment	**Signal generator**	**【MPX】 Connector** **【4】 pin SDA** **【3】 pin GND** **[AV SELECTOR PWB]** **R OUT [AUDIO OUT]**	**No.9 5FH MON.** **No.10 SAP VCO**	1. Receive the RF signal (non-modulated sound signal) from the antenna terminal. 2. Connect between pin【4】of【MPX】connector and GND (Pin【3】of【MPX】connector) through 1MΩ resistor. 3. Select the **No.9 5FH MON.** of the SOUND MODE, and reset the setting value from 0 to 1. 4. Connect the frequency counter to R out RCA pin of the AUDIO OUT. 5. Select the **No.10 SAP VCO**. 6. Set the initial setting value of **No.10 SAP VCO** with the LEFT/RIGHT key of the menu. 7. Adjust the **No.10 SAP VCO** so that the frequency counter will display 78.67kHz±0.5kHz. 8. Select the **No.9 5FH MON.** of the SOUND MODE, and reset the setting value from 1 to 0.
MTS FILTER check			**No.6 FILTER**	1. Select the **No.6 FILTER** of the SOUND MODE. 2. Verify that the **No.6 FILTER** is set at its initial setting value.

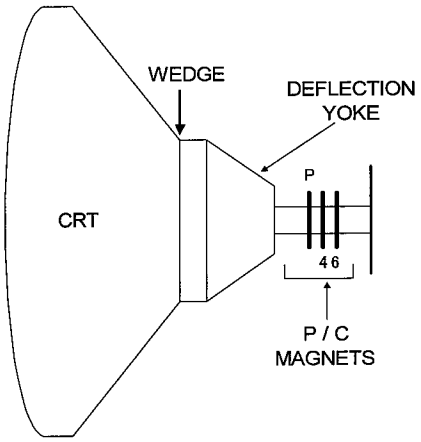
Item	Measuring instrument	Test point	Adjustment part	Description
MTS SEPARATION adjustment	**TV audio multiplex signal generator** **Oscilloscope**	**L OUT** **R OUT** **[AUDIO OUT]**	**No.7 LOW SEP.** **No.8 HI SEP.**	1. Input the stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal. 2. Connect an oscilloscope to L OUT pin of the AUDIO OUT, and display one cycle portion of the 300Hz signal. 3. Change the connection of the oscilloscope to R OUT pin of the AUDIO OUT, and enlarge the voltage axis. 4. Select the **No.7 LOW SEP.** of the SOUND MODE. 5. Set the initial setting value of the **No.7 LOW SEP.** with the LEFT/RIGHT key of the menu. 6. Adjust the **No.7 LOW SEP.** so that the stroke element of the 300Hz signal will become minimum. 7. Change the signal to 3kHz, and similarly adjust the **No.8 HI SEP.**



PURITY, CONVERGENCE

PURITY ADJUSTMENT

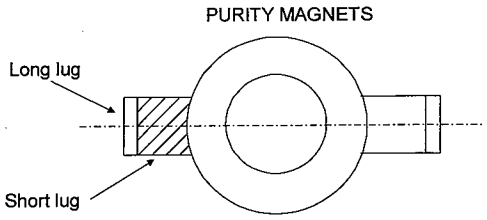
1. Demagnetize CRT with the demagnetizer.
2. Loosen the retainer screw of the deflection yoke.
3. Remove the wedges.
4. Input a green raster signal from the signal generator, and turn the screen to green raster.
5. Move the deflection yoke backward.
6. Bring the long lug of the purity magnets on the short lug and position them horizontally. (Fig.2)
7. Adjust the gap between two lugs so that the GREEN RASTER will come into the center of the screen. (Fig.3)
8. Move the deflection yoke forward, and fix the position of the deflection yoke so that the whole screen will become green.
9. Insert the wedge to the top side of the deflection yoke so that it will not move.
10. Input a crosshatch signal.
11. Verify that the screen is horizontal.
12. Input red and blue raster signals, and make sure that purity is properly adjusted.



• **P/C MAGNETS**

P : PURITY MAGNET
4 : 4 POLES (convergence magnets)
6 : 6 POLES (convergence magnets)

Fig.1



Bring the long lug over the short lug and position them horizontally.

Fig.2

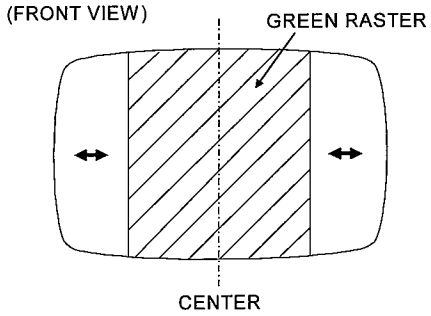


Fig.3

STATIC CONVERGENCE ADJUSTMENT

1. Input a crosshatch signal.
2. Using 4-pole convergence magnets, overlap the red and blue lines in the center of the screen (Fig.1) and turn them to magenta (red/blue).
3. Using 6-pole convergence magnets, overlap the magenta (red/blue) and green lines in the center of the screen and turn them to white.
4. Repeat 2 and 3 above, and make best convergence.

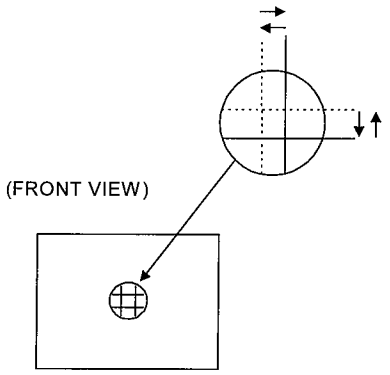


Fig.1

DYNAMIC CONVERGENCE ADJUSTMENT

1. Move the deflection yoke up and down and overlap the lines in the periphery. (Fig. 2)
2. Move the deflection yoke left to right and overlap the lines in the periphery. (Fig. 3)
3. Repeat 1 and 2 above, and make best convergence.

● After adjustment, fix the wedge at the original position.
Fasten the retainer screw of the deflection yoke.
Fix the 6 magnets with glue.

(FRONT VIEW)

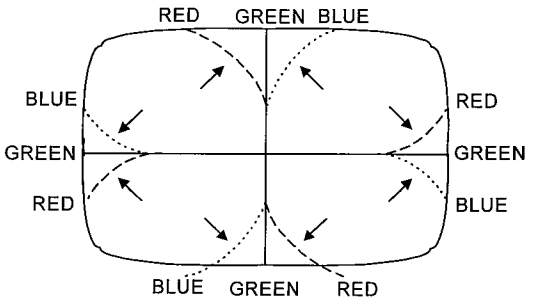


Fig.2

(FRONT VIEW)

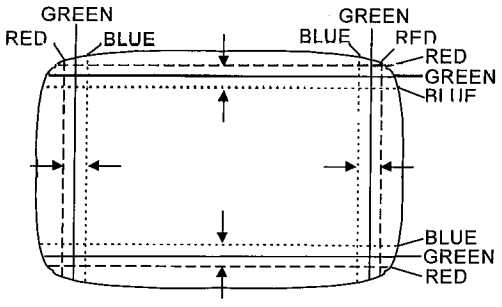


Fig.3

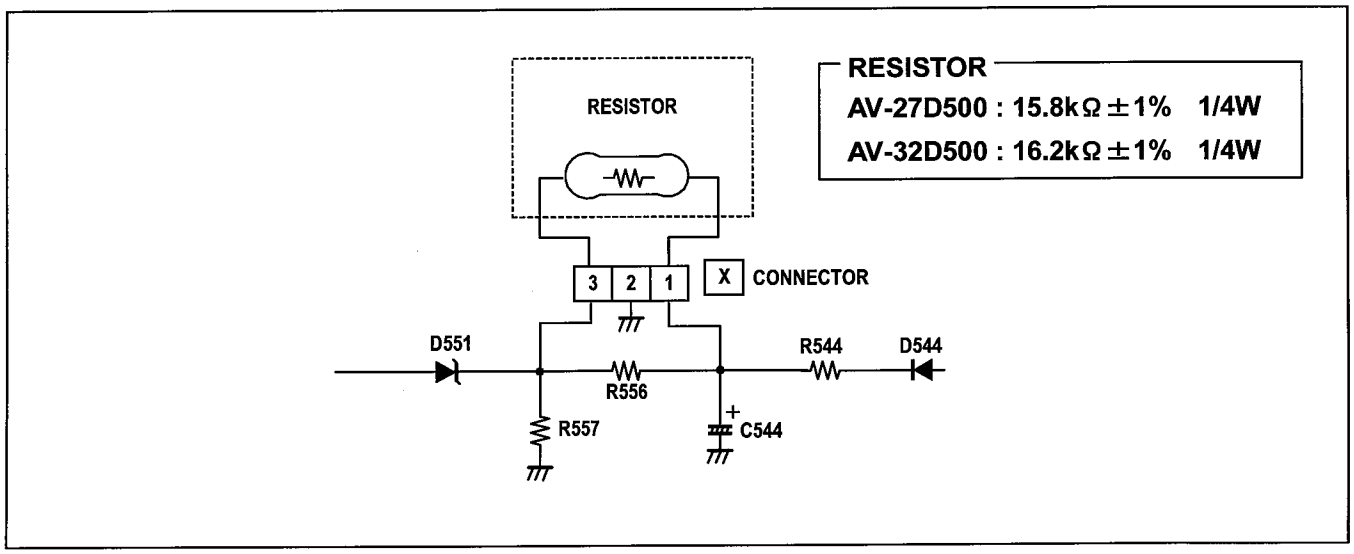
HOW TO CHECK THE HIGH VOLTAGE HOLD DOWN CIRCUIT

1. HIGH VOLTAGE HOLD DOWN CIRCUIT

After repairing the high voltage hold down circuit.
This circuit shall be checked to operate correctly.

2. CHECKING OF THE HIGH VOLTAGE HOLD DOWN CIRCUIT

(1) Turn the power sw ON.
(2) As shown in figure bellow, set the resistor (between 【X】 connector 【1】 & 【3】).
(3) Make sure that the screen picture disappears.
(4) Temporarily unplug the power cord.
(5) Remove the resistor (between 【X】 connector 【1】 & 【3】).
(6) Again plug the power cord, make sure that the normal picture is displayed on the screen.



REPLACEMENT OF CHIP COMPONENT

■ CAUTIONS

1. Avoid heating for more than 3 seconds.
2. Do not rub the electrodes and the resist parts of the pattern.
3. When removing a chip part, melt the solder adequately.
4. Do not reuse a chip part after removing it.

■ SOLDERING IRON

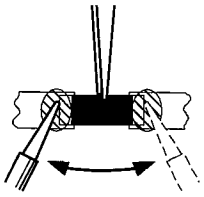
1. Use a high insulation soldering iron with a thin pointed end of it.
2. A 30w soldering iron is recommended for easily removing parts.

■ REPLACEMENT STEPS

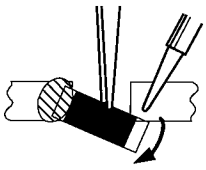
1. How to remove Chip parts

◆ **Resistors, capacitors, etc**

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



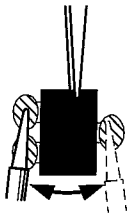
(2) Shift with tweezers and remove the chip part.



◆ **Transistors, diodes, variable resistors, etc**

(1) Apply extra solder to each lead.

(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.

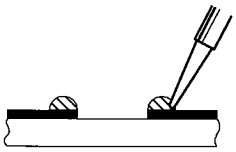


Note : After removing the part, remove remaining solder from the pattern.

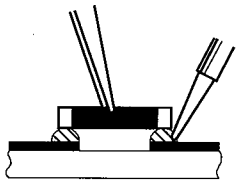
2. How to install Chip parts

◆ **Resistors, capacitors, etc**

(1) Apply solder to the pattern as indicated in the figure.



(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

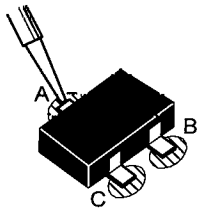


◆ **Transistors, diodes, variable resistors, etc**

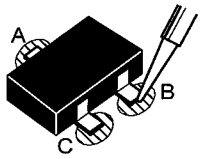
(1) Apply solder to the pattern as indicated in the figure.

(2) Grasp the chip part with tweezers and place it on the solder.

(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



AV-27D500(US&CA)
AV-32D500(US&CA)
AV-32D500(A US&A CA) STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the⚠ symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal : Color bar signal
(2)Setting positions of each knob/button and variable resistor :Original setting position when shipped
(3)Internal resistance of tester :DC 20kΩ/V
(4)Oscilloscope sweeping time :H ⇒ 20μS/div
:V ⇒ 5mS/div
:Others ⇒ Sweeping time is specified
(5)Voltage values :All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

●In the PW board :R1209→R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

●Resistance value

No unit	:[Ω]
K	:[KΩ]
M	:[MΩ]

●Rated allowable power

No indication	:1/10 [W]
Others	:As specified

●Type

No indication	:Carbon resistor
OMR	:Oxide metal film resistor
MFR	:Metal film resistor
MPR	:Metal plate resistor
UNFR	:Uninflammable resistor
FR	:Fusible resistor

*Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

●Capacitance value

1 or higher	:[pF]
less than 1	:[μF]

●Withstand voltage

No indication	:DC50[V]
AC indicated	:AC withstand voltage [V]
Others	:DC withstand voltage [V]

*Electrolytic Capacitors
47/50[Example]:Capacitance value [μF]/withstand voltage[V]

●Type

No indication	:Ceramic capacitor
MY	:Mylar capacitor
MM	:Metalized mylar capacitor
PP	:Polypropylene capacitor
MPP	:Metalized polypropylene capacitor
MF	:Metalized film capacitor
TF	:Thin film capacitor
BP	:Bipolar electrolytic capacitor
TAN	:Tantalum capacitor

(3)Coils

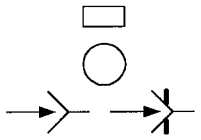
No unit	:[μH]
Others	:As specified

(4)Power Supply

*Respective voltage values are indicated

(5)Test point

(6)Connecting method



(7)Ground symbol

⊥ :LIVE side ground
⏚ :ISOLATED(NEUTRAL) side ground
⏚ :EARTH ground
▽ :DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND Is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⏚) side GND. Iherefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected , a fuse or any parts will be broken.

◇Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

Feb. 1999 No.51515

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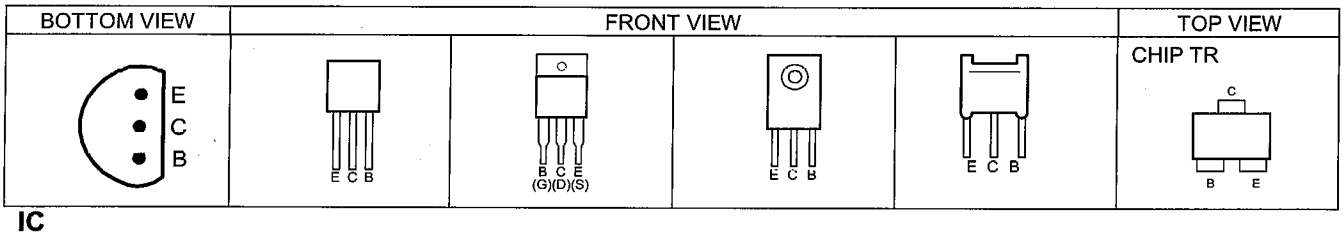
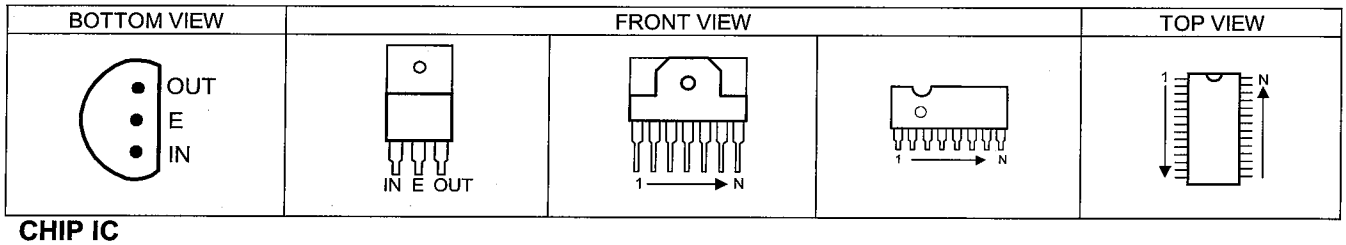
SEMICONDUCTOR SHAPES

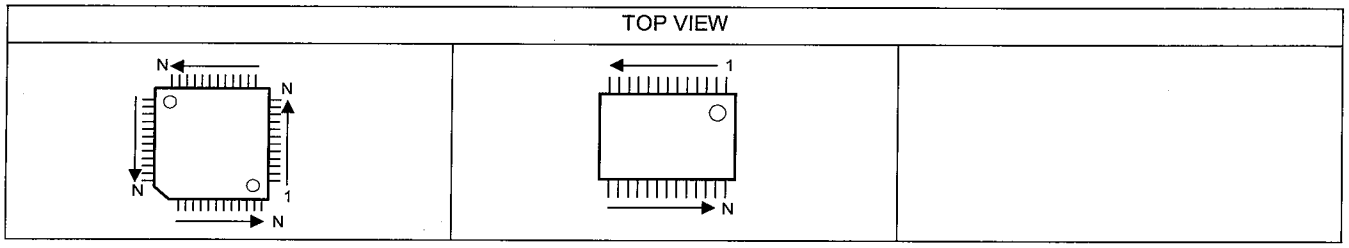
TRANSISTOR



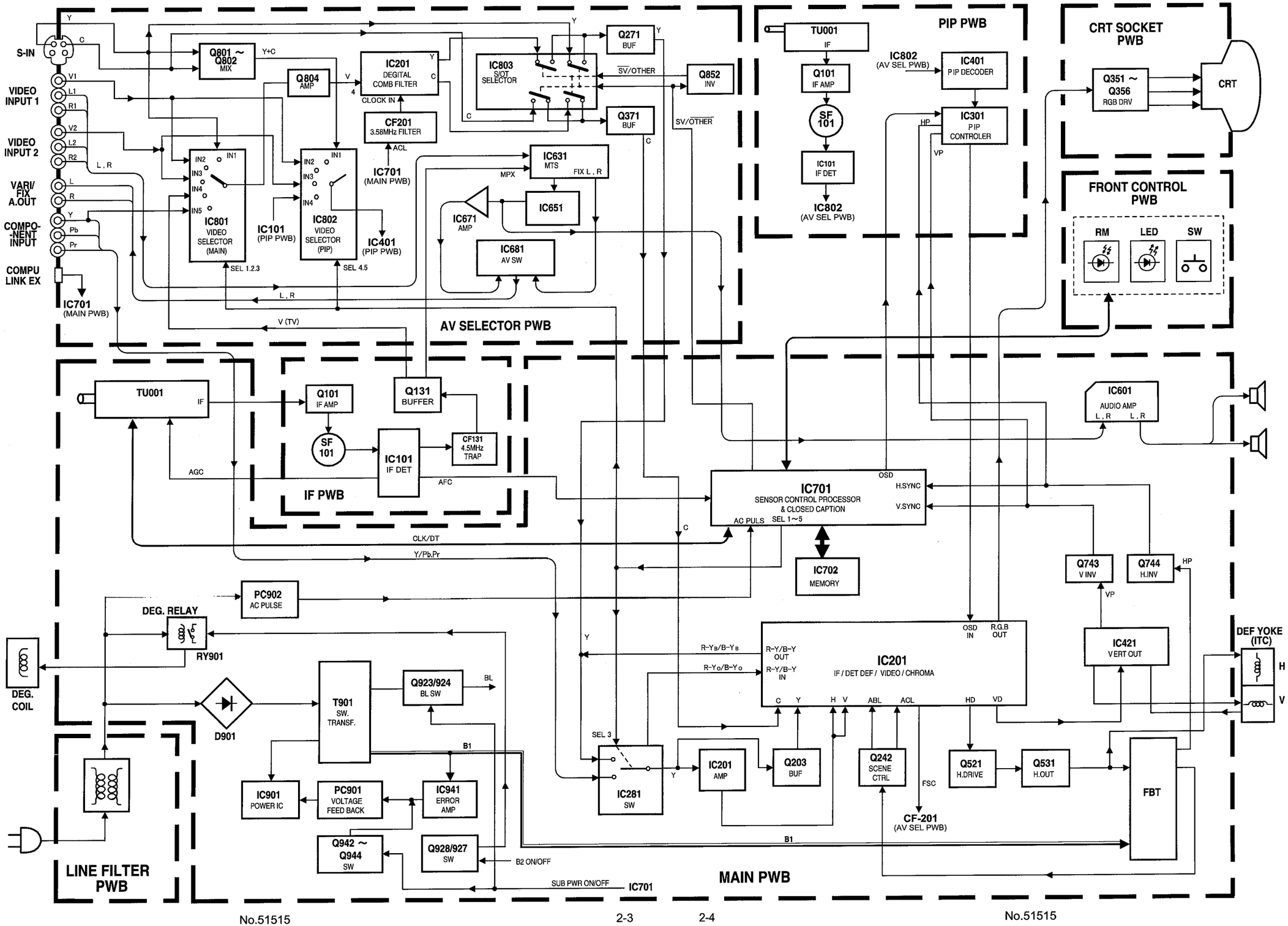
IC



CHIP IC



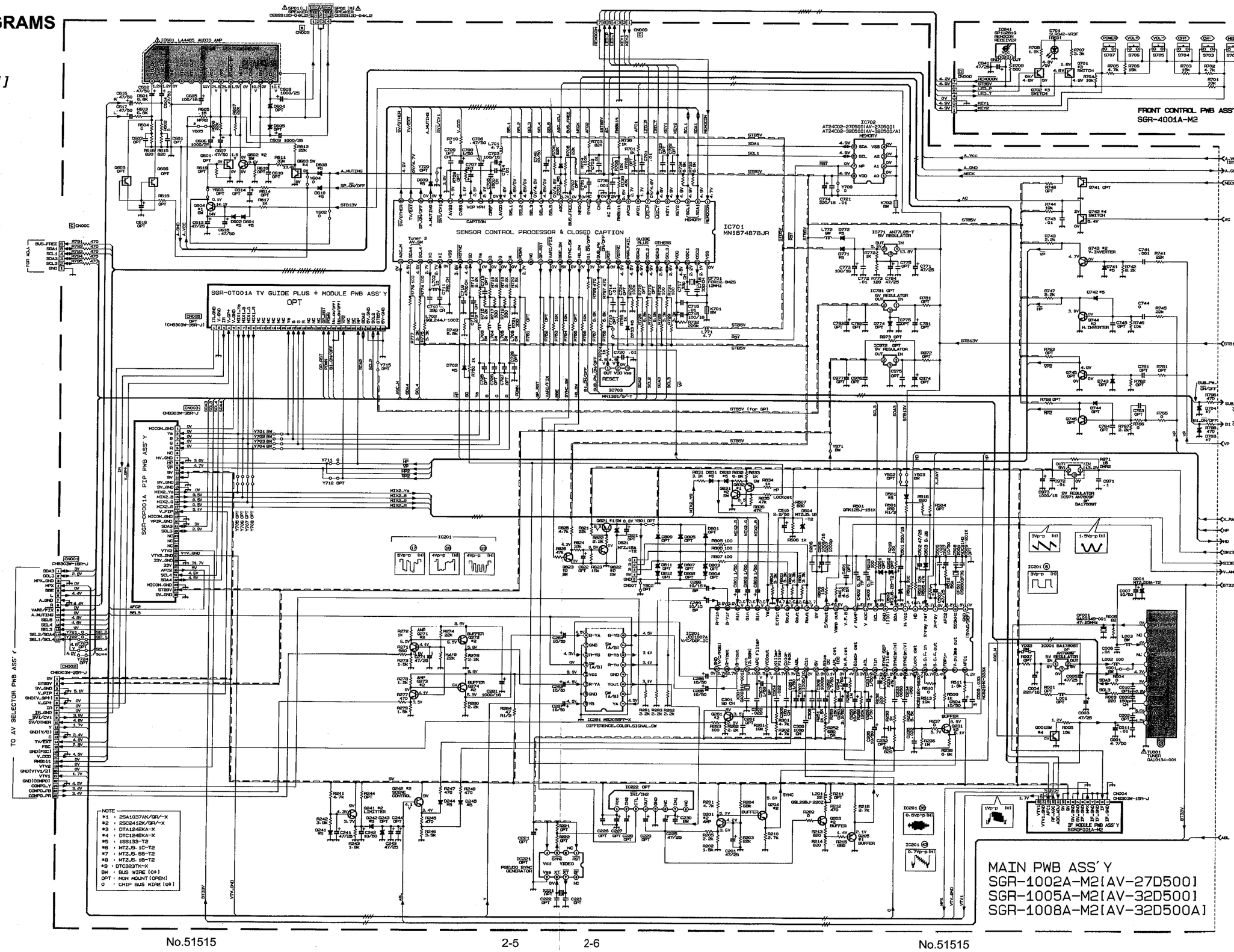
BLOCK DIAGRAM [AV-27D500 / AV-32D500 / AV-32D500A]



AV-27D500
AV-32D500

CIRCUIT DIAGRAMS

[MAIN & FRONT CONTROL PWB CIRCUIT DIAGRAM]



[MAIN & CRT SOCKET & LF PWB CIRCUIT DIAGRAM]

* DIFFERENCE LIST (*PARTS)

MODEL	AV-27D500	AV-32D500	AV-32D500A
*	SGR-1002A-M2	SGR-1005A-M2	SGR-1008A-M2
L531	CE41345 -00A	CE41563 -00B	CE41663 -00B
L591	QGLZ018 -220	QGLZ018 -280	QGLZ018 -220
R524	QRL039J -182	QRG029J -152	QRG029J -152
R525	QRL039J -182	QRG029J -152	QRG029J -152
R547	180k R1/2	150k R1/2	150k R1/2
R553	33k	OPT	OPT
R556	6.34k QRA14CF -6341Y	7.32k QRA14CF -7321Y	7.32k QRA14CF -7321Y
⚠ C531	.0047 QFZ0117 -4701	.0035 QFZ0117 -3501	.0035 QFZ0117 -3501
R588	QRL039J -270	QRL039J -270	QRL039J -150
⚠ C535	.62 QFZ0119 -624	.75 QFZ0119 -754	.56 QFZ0119 -564
C990	QCZ9074 -103	QCZ9074 -103	QCZ9074 -103
C991	QCZ9074 -103	QCZ9074 -103	QCZ9074 -103
R548	180k R1/2	180k R1/2	180k R1/2

MODEL	AV-27D500	AV-32D500	AV-32D500A
	SGR-1002A-M2	SGR-1005A-M2	SGR-1008A-M2
CS04	QCZ9052 -102	QCZ9052 -102	QCZ9052 -102
R999	120 R1/2	120 R1/2	120 R1/2
⚠ LF901	CELF008 -001J5	CELF001 -001J1	CELF001 -001J1

⚠ V01 PICTURE TUBE
A68AEG83X01(AV-27D500)
A68QLJF30X01(W1)(AV-32D500)
M80JUA061X06(AV-32D500A)

CRT SOCKET PWB ASS'Y SGR-3001A-M2

NOTE
*1 : 2SA1037AK/GR/-X
*2 : 2SC2412K/GR/-X
*3 : DTA124EKA-X
*4 : DTC124EKA-X
*5 : 1SS133-T2
*6 : MTZJ5.1C-T2
*7 : MTZJ5.6B-T2
BW : BUS WIRE
OPT : NON MOUNT (OPEN)
0 : CHIP BUS WIRE

MAIN PWB ASS'Y
SGR-1002A-M2 [AV-27D500]
SGR-1005A-M2 [AV-32D500]
SGR-1008A-M2 [AV-32D500A]

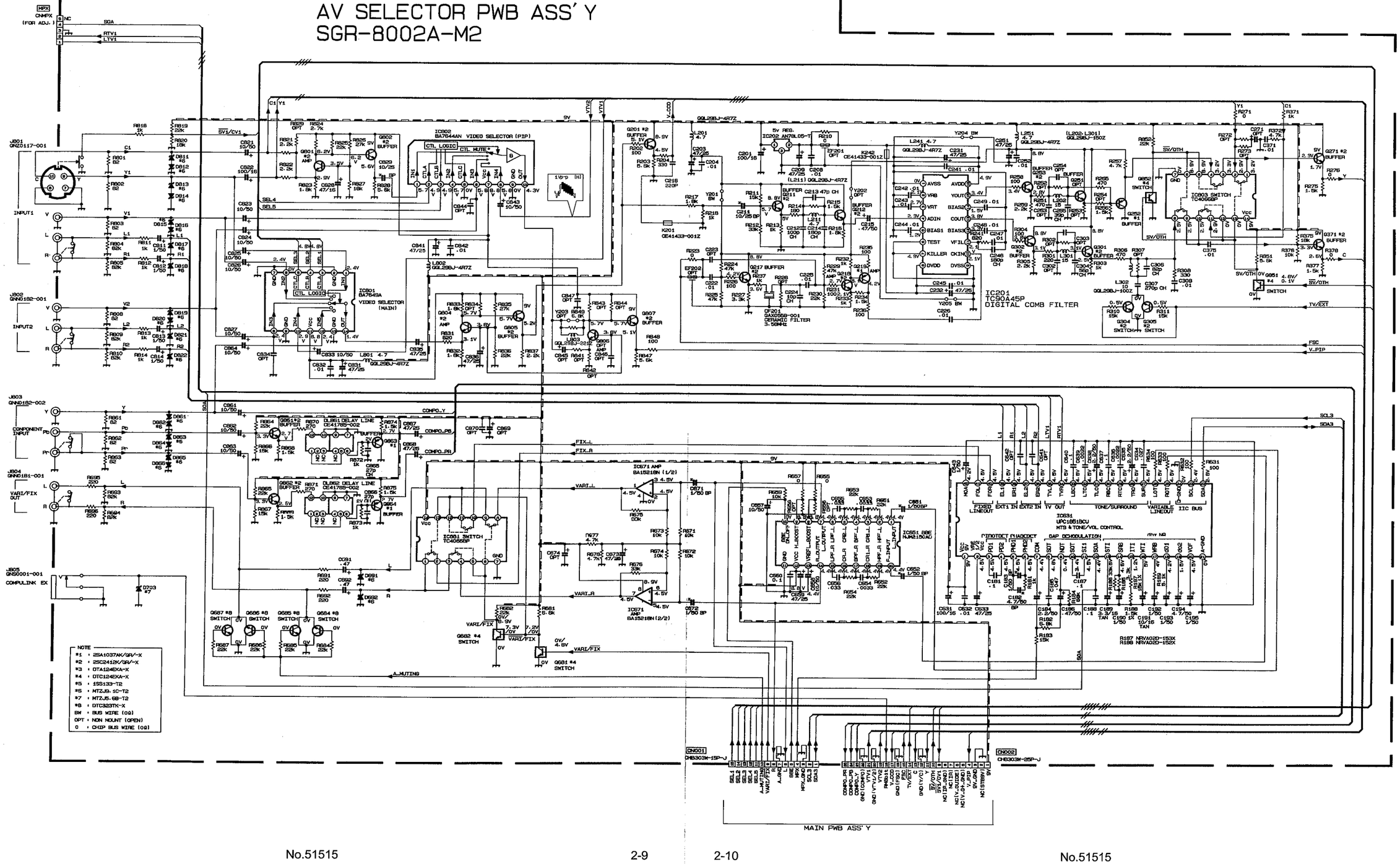
LF PWB ASS'Y
SGR-9001A-M2
[AV-27D500]
SGR-9002A-M2
[AV-32D500/A]

LIVE (⊥) ISOLATED (NEUTRAL) (⊥)

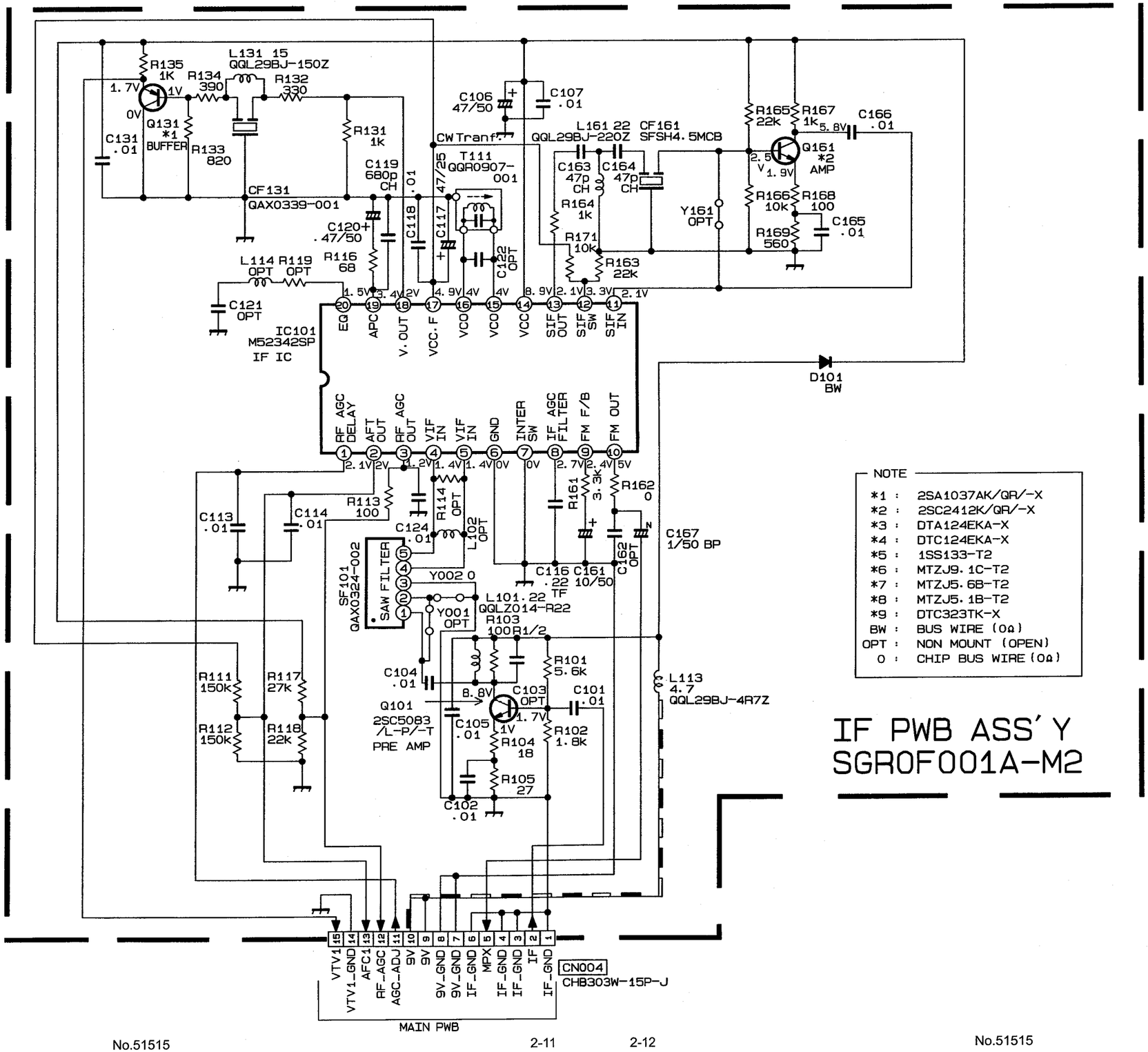
AV-27D500
AV-32D500

[AV SELECTOR PWB CIRCUIT DIAGRAM]

AV SELECTOR PWB ASS'Y
SGR-8002A-M2



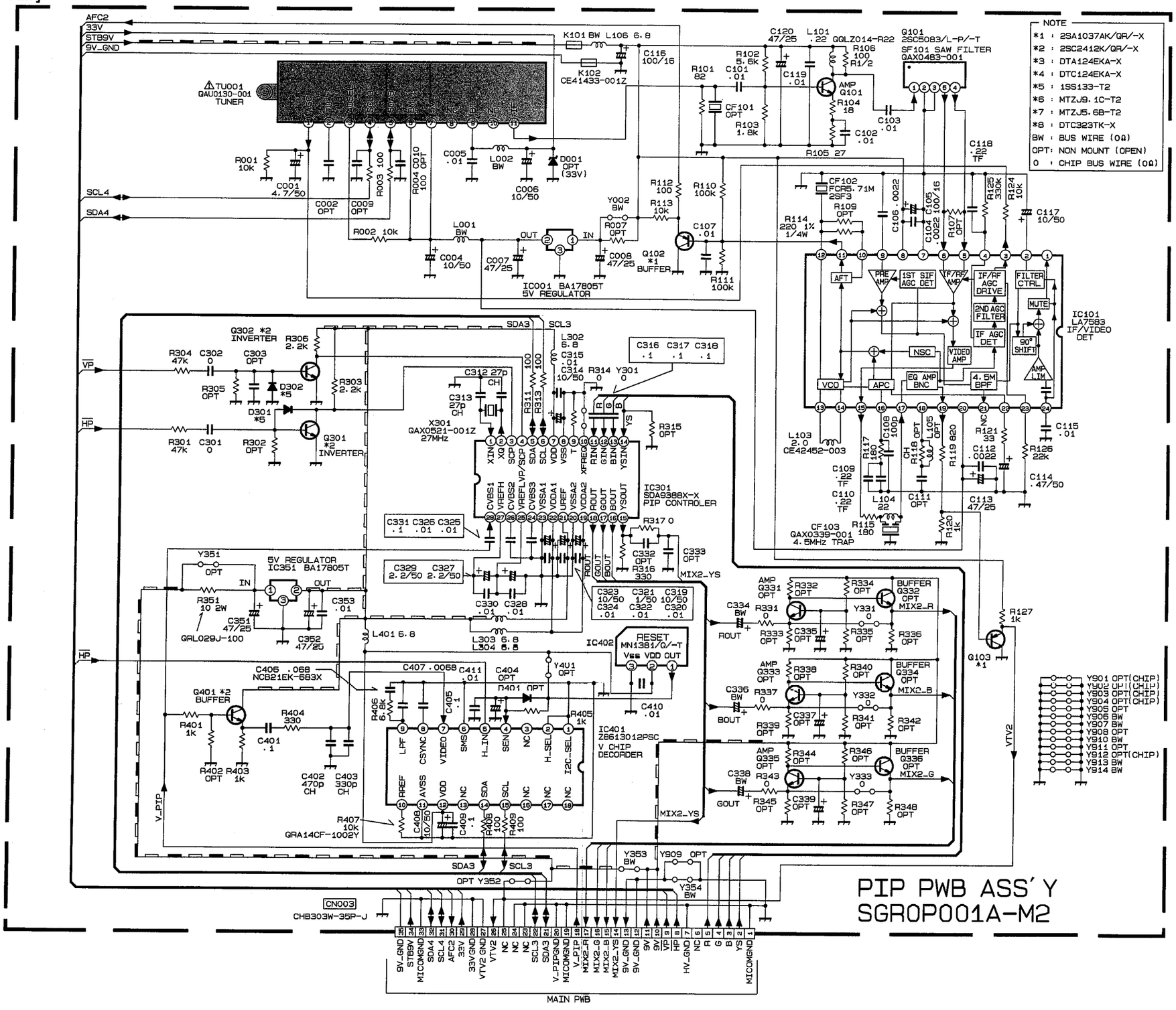
[IF PWB CIRCUIT DIAGRAM]



IF PWB ASS'Y
SGR0F001A-M2

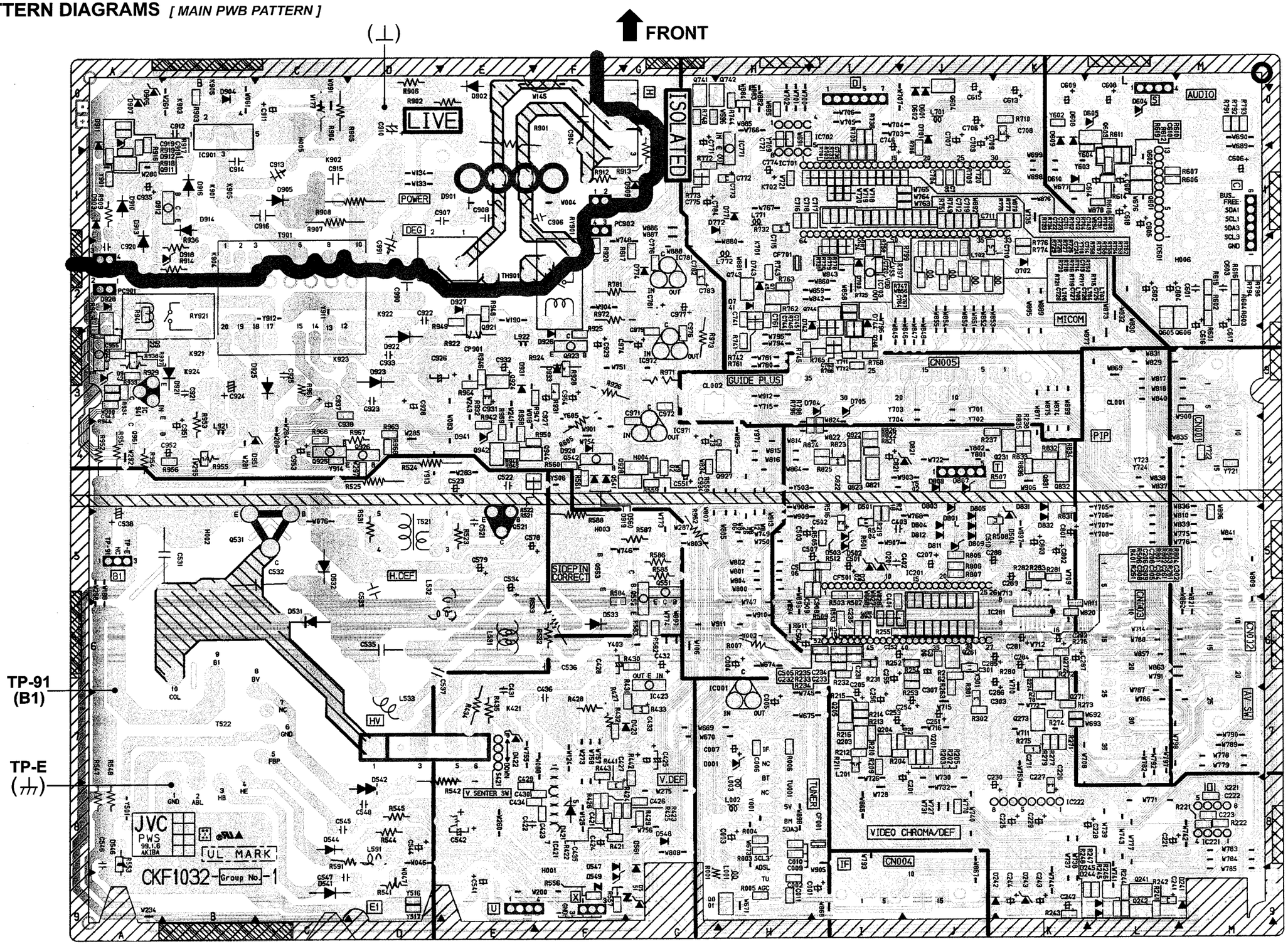
AV-27D500
AV-32D500

[PIP PWB CIRCUIT DIAGRAM]

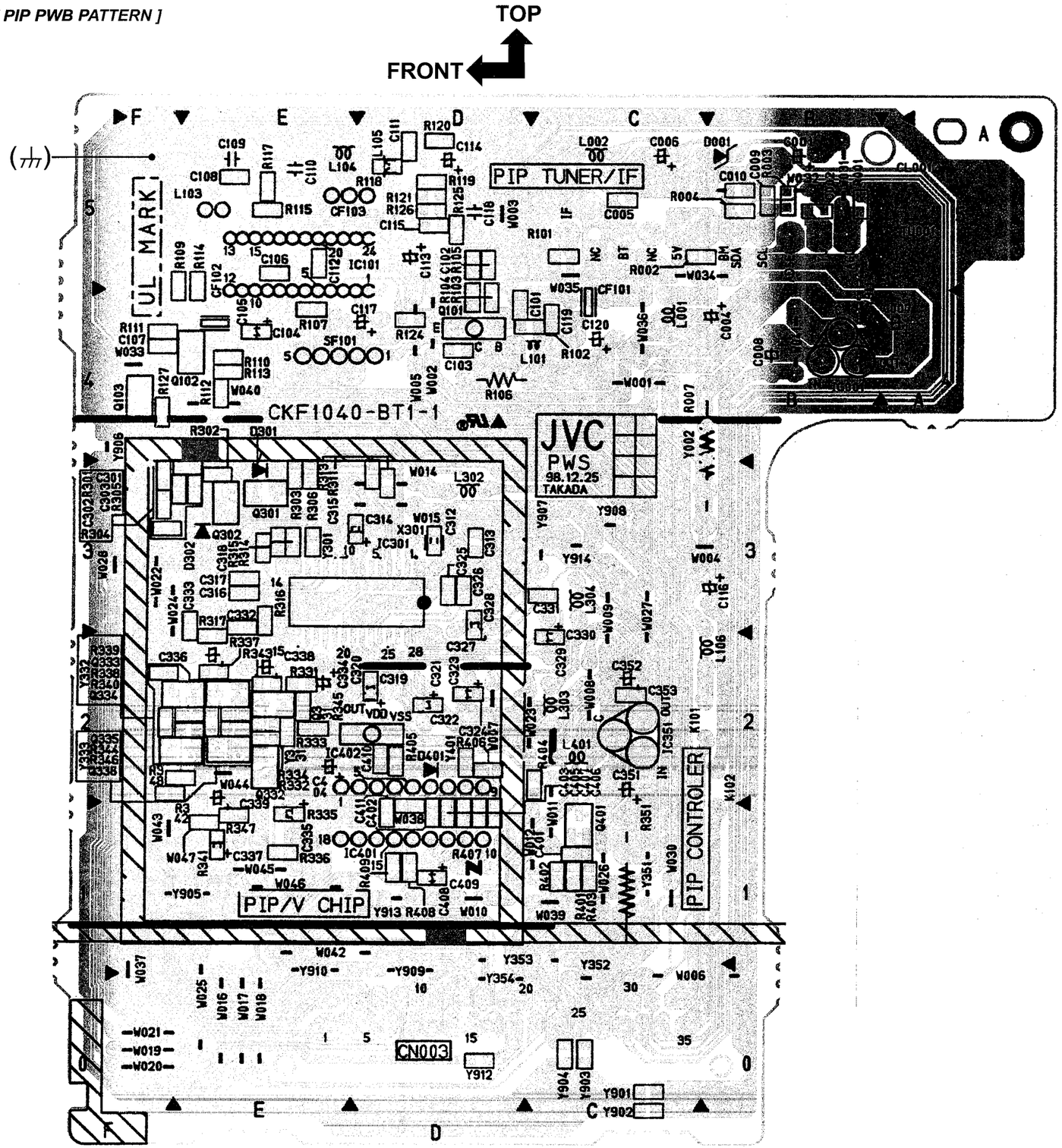


AV-27D500
AV-32D500

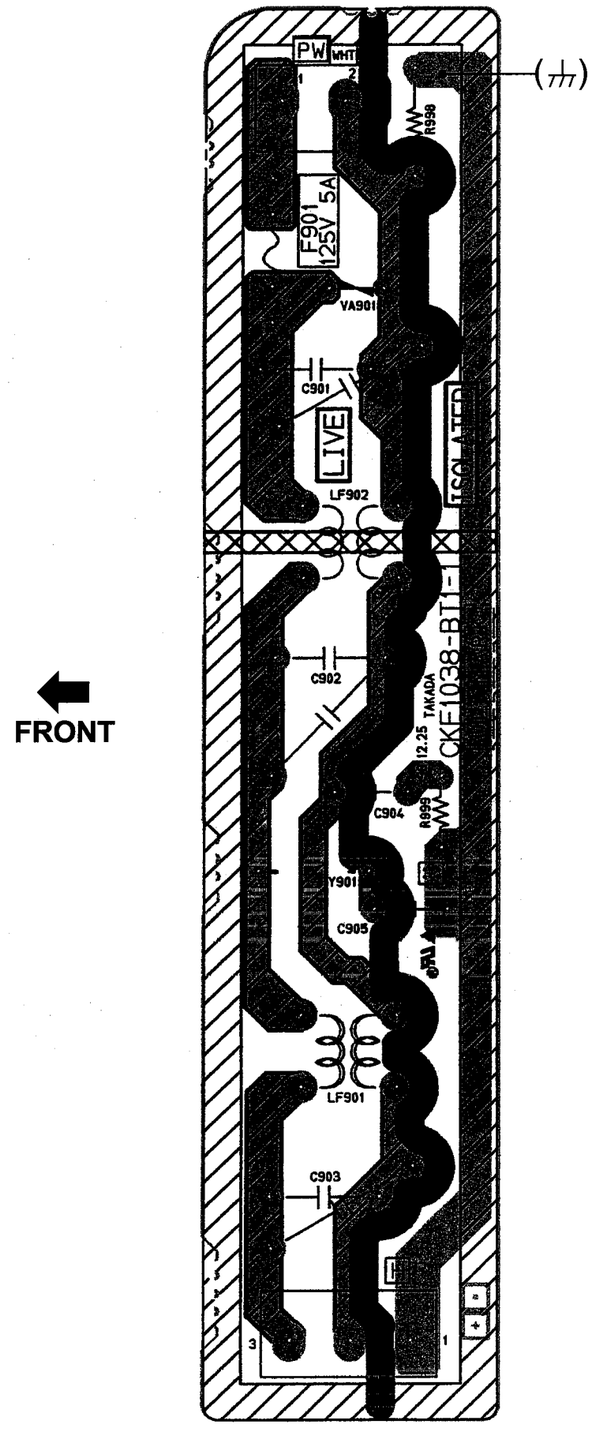
PATTERN DIAGRAMS *[MAIN PWB PATTERN]*



[PIP PWB PATTERN]



[LF PWB PATTERN]



■CHANNEL CHART (US)

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
○	○	VL	02		I
			03		
			04		
			05		
			06		
		VH	07		II
			08		
			09		
			10		
			11		
			12		
			13		
×	○	MID	A	14	I
			B	15	
			C	16	II
			D	17	
			E	18	
			F	19	
			G	20	
			H	21	
			I	22	
		SUPER	J	23	
			K	24	
			L	25	
			M	26	
			N	27	
			O	28	
			P	29	
			Q	30	
			R	31	
			S	32	
			T	33	
			U	34	
			V	35	
			W	36	
		HYPER	W+1	37	
			W+2	38	
			W+3	39	
			W+4	40	
			W+5	41	
			W+6	42	
			W+7	43	
			W+8	44	
			W+9	45	
			W+10	46	
			W+11	47	
			W+12	48	IV
			W+13	49	
			W+14	50	
			W+15	51	
			W+16	52	
			W+17	53	
			W+18	54	
			W+19	55	
			W+20	56	
			W+21	57	
			W+22	58	
			W+23	59	
			W+24	60	
			W+25	61	
			W+26	62	
			W+27	63	
			W+28	64	
		ULTRA	W+29	65	
			W+30	66	
			W+31	67	
			W+32	68	
			W+33	69	
			W+34	70	

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
×	○	ULTRA	W+35	71	IV
			W+36	72	
			W+37	73	
			W+38	74	
			W+39	75	
			W+40	76	
			W+41	77	
			W+42	78	
			W+43	79	
			W+44	80	
			W+45	81	
			W+46	82	
			W+47	83	
			W+48	84	
			W+49	85	
			W+50	86	
			W+51	87	
			W+52	88	
			W+53	89	
			W+54	90	
			W+55	91	
			W+56	92	
			W+57	93	
			W+58	94	
			W+59	100	
			W+60	101	
			W+61	102	
			W+62	103	
			W+63	104	
			W+64	105	
			W+65	106	
			W+66	107	
			W+67	108	
			W+68	109	
			W+69	110	
			W+70	111	
			W+71	112	
			W+72	113	
			W+73	114	
			W+74	115	
			W+75	116	
			W+76	117	
			W+77	118	
			W+78	119	
			W+79	120	
			W+80	121	
			W+81	122	
			W+82	123	
			W+83	124	
			W+84	125	
		SUB MID	A-8	01	I
			A-4	96	
			A-3	97	
			A-2	98	
			A-1	99	
○	×	UHF	14 ~ 69		IV

TOTAL 180CH
{ VHF 124CH
{ UHF 56CH

NOTE:
TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES.
SPECIAL ADAPTERS MAY BE REQUIRED.

■CHANNEL CHART (CA)

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
○	○	VL	02		I
			03		
			04		
			05		
			06		
		VH	07		II
			08		
			09		
			10		
			11		
			12		
			13		
×	○	MID	A	14	
			B	15	
			C	16	
			D	17	
			E	18	
			F	19	
			G	20	
			H	21	
			I	22	
		SUPER	J	23	III
			K	24	
			L	25	
			M	26	
			N	27	
			O	28	
			P	29	
			Q	30	
			R	31	
			S	32	
			T	33	
			U	34	
			V	35	
			W	36	
		HYPER	W+1	37	
			W+2	38	
			W+3	39	
			W+4	40	
			W+5	41	
			W+6	42	
			W+7	43	
			W+8	44	
			W+9	45	
			W+10	46	
			W+11	47	
			W+12	48	
			W+13	49	
			W+14	50	
			W+15	51	
			W+16	52	
			W+17	53	
			W+18	54	
			W+19	55	
			W+20	56	
			W+21	57	
			W+22	58	
			W+23	59	
			W+24	60	
			W+25	61	
			W+26	62	
			W+27	63	
			W+28	64	
		ULTRA	W+29	65	
			W+30	66	IV
			W+31	67	
			W+32	68	
			W+33	69	
			W+34	70	
			W+35	71	
			W+36	72	
			W+37	73	
			W+38	74	
			W+39	75	
			W+40	76	
			W+41	77	
			W+42	78	
			W+43	79	
			W+44	80	
			W+45	81	
			W+46	82	
			W+47	83	
			W+48	84	
			W+49	85	
			W+50	86	
			W+51	87	
			W+52	88	
			W+53	89	
			W+54	90	
			W+55	91	
			W+56	92	
			W+57	93	
			W+58	94	
			W+59	100	
			W+60	101	
			W+61	102	
			W+62	103	
			W+63	104	
			W+64	105	
			W+65	106	
			W+66	107	
			W+67	108	
			W+68	109	
			W+69	110	
			W+70	111	
			W+71	112	
			W+72	113	
			W+73	114	
			W+74	115	
			W+75	116	
			W+76	117	
			W+77	118	
			W+78	119	
			W+79	120	
			W+80	121	
			W+81	122	
			W+82	123	
			W+83	124	
			W+84	125	
		SUB MID	A-8	01	I
			A-4	96	
			A-3	97	II
			A-2	98	
			A-1	99	
○	×	UHF	14 ~ 69		IV

TOTAL 180CH
{ VHF 124CH
{ UHF 56CH

NOTE:
TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES.
SPECIAL ADAPTERS MAY BE REQUIRED.

PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety .
- The parts not indicated in this Parts List and those which are filled with lines —— in the Parts No. columns will not be supplied .
- P. W. Board Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied .

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
C R	Carbon Resistor	C CAP.	Ceramic Capacitor
F R	Fusible Resistor	E CAP.	Electrolytic Capacitor
P R	Plate Resistor	M CAP.	Mylar Capacitor
V R	Variable Resistor	HV CAP.	High Voltage Capacitor
HV R	High Voltage Resistor	MF CAP.	Metalized Film Capacitor
MF R	Metal Film Resistor	MM CAP.	Metalized Mylar Capacitor
MG R	Metal Glazed Resistor	MP CAP.	Metalized Polystyrol Capacitor
MP R	Metal Plate Resistor	PP CAP.	Polypropylene Capacitor
OM R	Metal Oxide Film Resistor	PS CAP.	Polystyrol Capacitor
CMF R	Coating Metal Film Resistor	TF CAP.	Thin Film Capacitor
UNF R	Non-Flammable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH V R	Chip Variable Resistor	TAN. CAP.	Tantalum Capacitor
CH MG R	Chip Metal Glazed Resistor	CH C CAP.	Chip Ceramic Capacitor
COMP. R	Composition Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

TOLERANCES									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% 0%

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Ⅰ. [AV-27D500 (US&CA)]

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- FRONT CONTROL PW BOARD ASS'Y ····· 44
- AV SELECTOR PW BOARD ASS'Y ····· 45
- LINE FILTER PW BOARD ASS'Y ····· 47
- IF PW BOARD ASS'Y ····· 47
- PIP PW BOARD ASS'Y ····· 48

■ PACKING ····· 49
■ PACKING PARTS LIST ····· 49

Ⅱ. [AV-32D500 (US&CA)]

■ EXPLODED VIEW PARTS LIST ····· **50**
■ EXPLODED VIEW ····· 51
■ PRINTED WIRING BOARD PARTS LIST
- MAIN PW BOARD ASS'Y ····· 52
- CRT SOCKET PW BOARD ASS'Y ····· 56
- FRONT CONTROL PW BOARD ASS'Y ····· 56
- AV SELECTOR PW BOARD ASS'Y ····· 56
- LINE FILTER PW BOARD ASS'Y ····· 56
- IF PW BOARD ASS'Y ····· 56
- PIP PW BOARD ASS'Y ····· 56

Ⅲ. [AV-32D500 (A US&A CA)]

■ PRINTED WIRING BOARD PARTS LIST
- MAIN PW BOARD ASS'Y ····· 57
- CRT SOCKET PW BOARD ASS'Y ····· 61
- FRONT CONTROL PW BOARD ASS'Y ····· 61
- AV SELECTOR PW BOARD ASS'Y ····· 61
- LINE FILTER PW BOARD ASS'Y ····· 61
- IF PW BOARD ASS'Y ····· 61
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■ PACKING ····· 62
■ PACKING PARTS LIST ····· 63

USING CRT, P.W. BOARD & REMOTE CONTROL UNIT

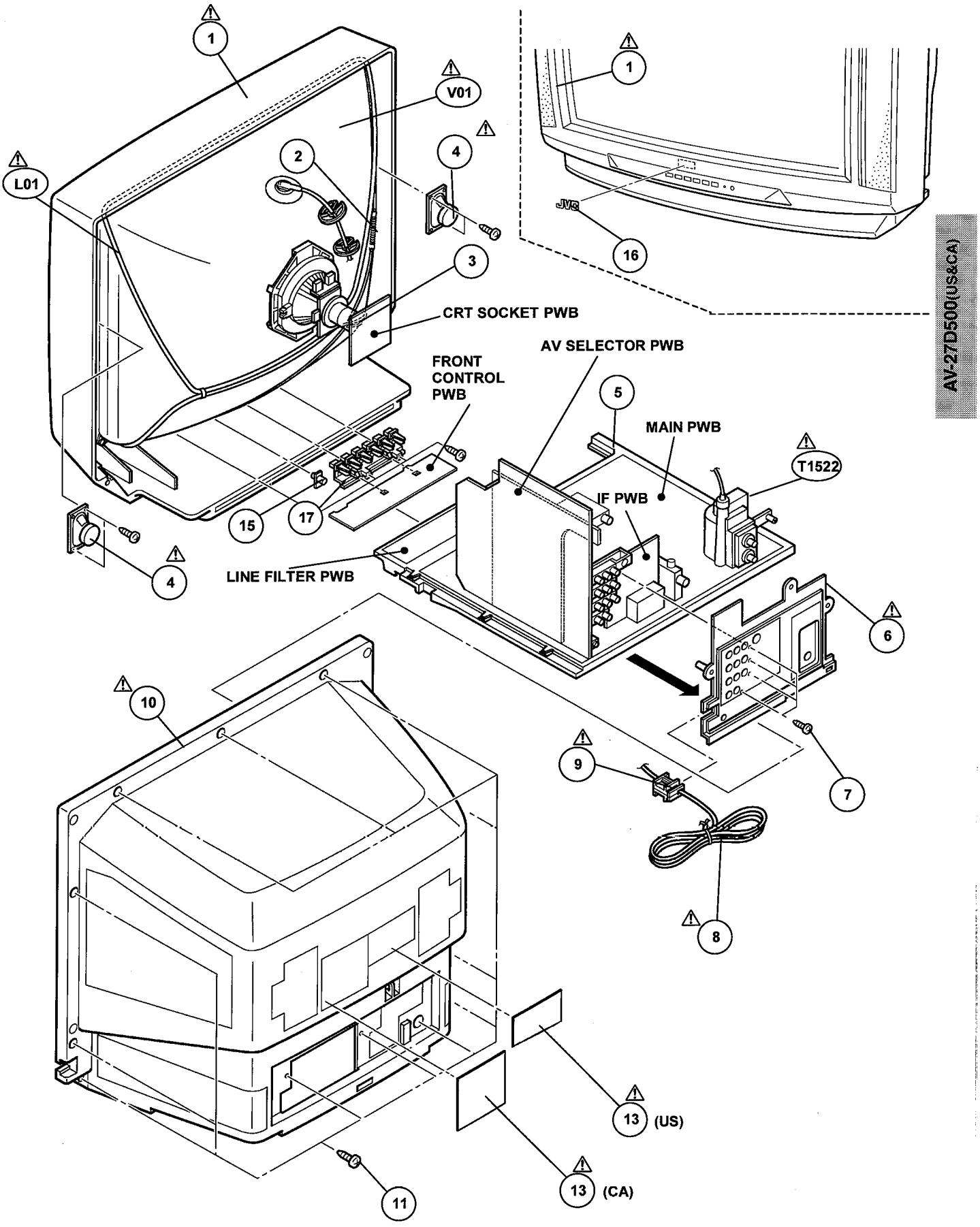
Model / P.W.B ASS'Y	I	II	III
	AV-27D500(US&CA)	**AV-32D500 (US&CA)**	**AV-32D500 (A US&A CA)**
CRT (ITC TUBE)	A68AEG25X01	A80LJF30X08(W)	M80JUA061X06
MAIN PWB	SGR-1002A-M2	SGR-1005A-M2	SGR-1008A-M2
CRT SOCKET PWB	SGR-3001A-M2	←	←
FRONT CONTROL PWB	SGR-4001A-M2	←	←
AV SELECTOR PWB	SGR-8002A-M2	←	←
LINE FILTER PWB	SGR-9001A-M2	SGR-9002A-M2	←
IF PWB	SGR0F001A-M2	←	←
PIP	SGR0P001A-M2	←	←
REMOTE CONTROL UNIT	RM-C343-1A	←	←

1 . AV-27D500 (US&CA)

EXPLODED VIEW PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	V01	A68AEG25X01	PICTURE TUBE	Inc DY	*
⚠	L01	CE41329-00DJB	DEGAUSSING COIL		*
⚠	T1522	QQH0051-001	FBT	Within MAIN PWB	*
⚠	1	LC10276-001E-A	FRONT CABINET		*
	2	CHGB0015-0B	BRAIDED WIRE		*
	3	CHGB0016-0C	SUB BRAIDED WIRE		*
⚠	4	CEBSS12D-04KJ2	SPEAKER	(×2)SP01,SP02	*
	5	LC10363-001D-A	CHASSIS BASE		*
					*
⚠	6	LC10364-001C-A	TERMINAL BOARD		*
	7	SBSB3010Z	TAPPING SCREW	(×4)	*
⚠	8	QMPD200-200-JC	POWER CORD	Within LINE FILTER PWB	*
⚠	9	LC20106-001B-A	POWER CORD CLAMP		*
⚠	10	LC10277-001D-A	REAR COVER		*
	11	GBSF4016Z	TAPPING SCREW	(×12)	*
⚠	**13**	**CM23034-001-A**	**RATING LABEL**	**(US)**	*
⚠	**13**	**CM22999-A01-A**	**RATING LABEL**	**(CA)**	*
					*
	15	LC30191-002A-A	REMOCON LENS		*
	16	CM48006-A03-H	JVC MARK		*
	17	LC20217-001B-A	CONTROL KNOB		*

EXPLODED VIEW



PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SGR-1002A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local	
	RESISTOR					
	R1003	NRSA02J-221X	MG R	220Ω 1/10W	J	*
	R1004	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	R1005	NRSA02J-103X	MG R	10kΩ 1/10W	J	*
	R1006	NRSA02J-820X	MG R	82Ω 1/10W	J	*
	R1201	NRSA02J-472X	MG R	4.7kΩ 1/10W	J	*
	R1202	NRSA02J-152X	MG R	1.5kΩ 1/10W	J	*
	R1203	NRSA02J-223X	MG R	22kΩ 1/10W	J	*
	R1204	NRSA02J-563X	MG R	56kΩ 1/10W	J	*
	R1205	NRSA02J-222X	MG R	2.2kΩ 1/10W	J	*
	R1209	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	R1210	NRSA02J-272X	MG R	2.7kΩ 1/10W	J	*
	R1212	NRSA02J-471X	MG R	470Ω 1/10W	J	*
	R1213-14	NRSA02J-821X	MG R	820Ω 1/10W	J	*
	R1215	NRSA02J-681X	MG R	680Ω 1/10W	J	*
	R1216	NRSA02J-272X	MG R	2.7kΩ 1/10W	J	*
	R1218-19	NRSA02J-101X	MG R	100Ω 1/10W	J	*
	R1231	NRSA02J-473X	MG R	47kΩ 1/10W	J	*
	R1232	NRSA02J-221X	MG R	220Ω 1/10W	J	*
	R1233	NRSA02J-102X	MG R	1kΩ 1/10W	J	*
	R1234	NRSA02J-821X	MG R	820Ω 1/10W	J	*
	R1235	NRSA02J-562X	MG R	5.6kΩ 1/10W	J	*
	R1236	NRSA02J-105X	MG R	1MΩ 1/10W	J	*
	R1237	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	R1238	NRSA02J-682X	MG R	6.8kΩ 1/10W	J	*
	R1241	NRSA02J-472X	MG R	4.7kΩ 1/10W	J	*
	R1242	NRSA02J-392X	MG R	3.9kΩ 1/10W	J	*
	R1243	NRSA02J-182X	MG R	1.8kΩ 1/10W	J	*
	R1245	NRSA02J-471X	MG R	470Ω 1/10W	J	*
	R1246	NRSA02J-392X	MG R	3.9kΩ 1/10W	J	*
	R1247	NRSA02J-471X	MG R	470Ω 1/10W	J	*
	R1248	NRSA02J-332X	MG R	3.3kΩ 1/10W	J	*
	R1251	NRVA02D-102X	MF R	1kΩ 1/10W	D	*
	R1252	NRVA02D-681X	MF R	680Ω 1/10W	D	*
	R1253	NRSA02J-183X	MG R	18kΩ 1/10W	J	*
	R1254	NRSA02J-105X	MG R	1MΩ 1/10W	J	*
	R1255	NRSA02J-124X	MG R	120kΩ 1/10W	J	*
	R1261	NRSA02J-103X	MG R	10kΩ 1/10W	J	*
	R1262	NRSA02J-222X	MG R	2.2kΩ 1/10W	J	*
	R1263	NRSA02J-101X	MG R	100Ω 1/10W	J	*
	R1271	NRSA02J-561X	MG R	560Ω 1/10W	J	*
	R1272	NRSA02J-102X	MG R	1kΩ 1/10W	J	*
	R1273	NRSA02J-152X	MG R	1.5kΩ 1/10W	J	*
	R1274-75	NRSA02J-223X	MG R	22kΩ 1/10W	J	*
	R1276	NRSA02J-222X	MG R	2.2kΩ 1/10W	J	*
	R1277	NRSA02J-471X	MG R	470Ω 1/10W	J	*
	R1278	NRSA02J-122X	MG R	1.2kΩ 1/10W	J	*
	R1279	NRSA02J-152X	MG R	1.5kΩ 1/10W	J	*
	R1280-83	NRSA02J-222X	MG R	2.2kΩ 1/10W	J	*
	R1301-02	NRSA02J-472X	MG R	4.7kΩ 1/10W	J	*
	R1401	NRVA02D-472X	MF R	4.7kΩ 1/10W	D	
	R1421	NRSA02J-562X	MG R	5.6kΩ 1/10W	J	*
	R1423	NRSA02J-393X	MG R	39kΩ 1/10W	J	*
	R1424	NRSA02J-123X	MG R	12kΩ 1/10W	J	*
	R1426	NRSA02J-183X	MG R	18kΩ 1/10W	J	*
	R1427	QRT029J-1R5	MF R	1.5Ω 2W	J	*
	R1429	NRSA02J-472X	MG R	4.7kΩ 1/10W	J	*
	R1431	NRSA02J-152X	MG R	1.5kΩ 1/10W	J	*
	R1432	NRSA02J-101X	MG R	100Ω 1/10W	J	*
	R1433	NRSA02J-471X	MG R	470Ω 1/10W	J	*
	R1434	QRL029J-181	OM R	180Ω 2W	J	*
	R1435	QRE121J-102Y	C R	1kΩ 1/2W	J	*
	R1441	NRSA02J-332X	MG R	3.3kΩ 1/10W	J	*
	R1501	QRK126J-151X	C R	150Ω 1/2W	J	*
	R1502	NRSA02J-101X	MG R	100Ω 1/10W	J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local	
	RESISTOR					
	R1503	NRSA02J-103X	MG R	10kΩ 1/10W	J	*
	R1504	NRSA02J-561X	MG R	560Ω 1/10W	J	*
	R1505	NRSA02J-473X	MG R	47kΩ 1/10W	J	*
	R1506	NRSA02J-101X	MG R	100Ω 1/10W	J	*
	R1507	NRSA02J-681X	MG R	680Ω 1/10W	J	*
	R1508-09	NRSA02J-102X	MG R	1kΩ 1/10W	J	*
	R1510	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	R1511	NRSA02J-152X	MG R	1.5kΩ 1/10W	J	*
	R1512	NRSA02J-563X	MG R	56kΩ 1/10W	J	*
	R1521	NRSA02J-331X	MG R	330Ω 1/10W	J	*
	R1522	NRSA02J-271X	MG R	270Ω 1/10W	J	*
	R1523	QRE121J-103Y	C R	10kΩ 1/2W	J	*
	R1524-25	QRL039J-182	OM R	1.8kΩ 3W	J	*
	R1531	QRE121J-220Y	C R	22Ω 1/2W	J	*
	R1532	QRE121J-681Y	C R	680Ω 1/2W	J	*
	R1533	QRL039J-103	OM R	10kΩ 3W	J	*
⚠	R1541	QRK129J-150	C R	15Ω 1/2W	J	*
	R1542	QRX01GJ-1R2	MF R	1.2Ω 1W	J	*
⚠	R1544	QRZ9017-4R7	F R	4.7Ω 1/4W	J	*
	R1545	QRE121J-822Y	C R	8.2kΩ 1/2W	J	*
	R1547	QRE121J-184Y	C R	180kΩ 1/2W	J	*
	R1548	QRE121J-184Y	C R	180kΩ 1/2W	J	*
	R1553	NRSA02J-333X	MG R	33kΩ 1/10W	J	*
⚠	R1556	QRA14CF-6341Y	MF R	6.34kΩ 1/4W	F	*
⚠	R1557	QRA14CF-3301Y	MF R	3.3kΩ 1/4W	F	*
	R1558	NRSA02J-333X	MG R	33kΩ 1/10W	J	*
	R1559	NRSA02J-123X	MG R	12kΩ 1/10W	J	*
	R1560	NRSA02J-273X	MG R	27kΩ 1/10W	J	*
	R1561	NRSA02J-103X	MG R	10kΩ 1/10W	J	*
	R1582	NRSA02J-331X	MG R	330Ω 1/10W	J	*
	R1583	NRSA02J-223X	MG R	22kΩ 1/10W	J	*
	R1584	NRSA02J-821X	MG R	820Ω 1/10W	J	*
	R1585	QRE121J-392Y	C R	3.9kΩ 1/2W	J	*
	R1586	QRE121J-682Y	C R	6.8kΩ 1/2W	J	*
	R1587	QRE121J-822Y	C R	8.2kΩ 1/2W	J	*
	R1588	QRL039J-270	OM R	27Ω 3W	J	*
	R1601	NRSA02J-682X	MG R	6.8kΩ 1/10W	J	*
	R1602	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	R1603	NRSA02J-682X	MG R	6.8kΩ 1/10W	J	*
	R1604	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	R1605	QRT029J-R15	MF R	0.15Ω 2W	J	*
	R1606-07	NRSA02J-223X	MG R	22kΩ 1/10W	J	*
	R1611	NRSA02J-333X	MG R	33kΩ 1/10W	J	*
	R1612	NRSA02J-223X	MG R	22kΩ 1/10W	J	*
	R1615-16	NRSA02J-821X	MG R	820Ω 1/10W	J	*
	R1617	NRSA02J-102X	MG R	1kΩ 1/10W	J	*
	R1701	NRSA02J-102X	MG R	1kΩ 1/10W	J	*
	R1703	NRSA02J-823X	MG R	82kΩ 1/10W	J	*
	R1704	NRSA02J-104X	MG R	100kΩ 1/10W	J	*
	R1705	NRSA02J-103X	MG R	10kΩ 1/10W	J	*
	R1706	NRSA02J-223X	MG R	22kΩ 1/10W	J	*
	R1708	NRSA02J-223X	MG R	22kΩ 1/10W	J	*
	R1710	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	R1714-16	NRSA02J-222X	MG R	2.2kΩ 1/10W	J	*
	R1717	NRSA02J-331X	MG R	330Ω 1/10W	J	*
	R1718	NRSA02J-222X	MG R	2.2kΩ 1/10W	J	*
	R1719	NRSA02J-331X	MG R	330Ω 1/10W	J	*
	R1720	NRSA02J-222X	MG R	2.2kΩ 1/10W	J	*
	R1721	NRSA02J-331X	MG R	330Ω 1/10W	J	*
	R1724	NRSA02J-102X	MG R	1kΩ 1/10W	J	*
	R1725	NRSA02J-104X	MG R	100kΩ 1/10W	J	*
	R1726-27	NRSA02J-682X	MG R	6.8kΩ 1/10W	J	*
	R1728-29	NRSA02J-332X	MG R	3.3kΩ 1/10W	J	*
	R1730-31	NRSA02J-101X	MG R	100Ω 1/10W	J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1732	NRSA02J-224X	MG R	220kΩ 1/10W J	*
	R1733-34	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1736	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1739	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1741	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1742	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R1743	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1744	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1745	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1746	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1747	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1749	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1750	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1753-54	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1756	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1757-58	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1759	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1772	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1773	NRSA02J-121X	MG R	120Ω 1/10W J	*
	R1774	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1775	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1776	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1777	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1791-99	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1801-04	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1805-07	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1821	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1822	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R1823	NRSA02J-153X	MG R	15kΩ 1/10W J	*
	R1824	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1825	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1826	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1831	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1832	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1833-34	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1835-36	NRSA02J-473X	MG R	47kΩ 1/10W J	*
⚠	R1901	QRF074K-R47	UNF R	0.47 Ω 7W K	*
	R1902	QRE121J-333Y	C R	33kΩ 1/2W J	*
	R1903	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1904-05	QRT029J-R22	MF R	0.22Ω 2W J	*
	R1909	QRE121J-332Y	C R	3.3kΩ 1/2W J	*
	R1912-13	QRE121J-333Y	C R	33kΩ 1/2W J	*
	R1914	QRE121J-2R2Y	C R	2.2Ω 1/2W J	*
	R1916	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1917	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1918	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
	R1919	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1920	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1924	QRG01GJ-221	OM R	220Ω 1W J	*
	R1925	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1926	QRT029J-R82	MF R	0.82Ω 2W J	*
	R1928	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1931	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1933	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1934	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1936	QRE121J-222Y	C R	2.2kΩ 1/2W J	*
	R1937	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1940	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1941	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1942	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1943	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1944	NRSA02J-393X	MG R	39kΩ 1/10W J	*
	R1945-46	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1947	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1948	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1949	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1951-52	QRT029J-1R2	MF R	1.2Ω 2W J	*
	R1954	QRE121J-272Y	C R	2.7kΩ 1/2W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1955	QRE121J-473Y	C R	47kΩ 1/2W J	*
	R1956	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1958-59	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1961	QRJ146J-3R3X	C R	3.3Ω 1/4W J	*
	R1962	QRL029J-472	OM R	4.7kΩ 2W J	*
	R1963	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1966	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1967	QRE121J-683Y	C R	68kΩ 1/2W J	*
	R1971	QRL029J-330	OM R	33Ω 2W J	*
	CAPACITOR				
	C1001	QETN1HM-475Z	E CAP.	4.7µF 50V M	*
	C1003	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1004	QETN1CM-227Z	E CAP.	220µF 16V M	*
	C1005	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1006	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1007	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1009	NDC21HJ-151X	C CAP.	150pF 50V J	*
	C1011	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1201	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1205	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1206	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1207	QETN1CM-108Z	E CAP.	1000µF 16V M	*
	C1208	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1225	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1231	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1233	NCB21HK-682X	C CAP.	6800pF 50V K	*
	C1234	NCB21EK-683X	C CAP.	0.068µF 25V K	*
	C1235	NCB21HK-223X	C CAP.	0.022µF 50V K	*
	C1241	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1242	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1243	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1251	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1252	QETN1HM-475Z	E CAP.	4.7µF 50V M	*
	C1253	QETN1HM-225Z	E CAP.	2.2µF 50V M	*
	C1254	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1255	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1256	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1271	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1281	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1283-87	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1288-89	QENC1CM-106Z	BP E CAP.	10µF 16V M	*
	C1301	NDC21HJ-9R0X	C CAP.	9.0pF 50V J	*
	C1302	NCB21HK-223X	C CAP.	0.022µF 50V K	*
	C1303	QENC1HM-105Z	BP E CAP.	1µF 50V M	*
	C1304	NCB21HK-223X	C CAP.	0.022µF 50V K	*
	C1305	NDC21HJ-180X	C CAP.	18pF 50V J	*
	C1306	NDC21HJ-101X	C CAP.	100pF 50V J	*
	C1307	QETN1AM-108Z	E CAP.	1000µF 10V M	*
	C1308	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1309	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1402	QFV71HJ-334Z	MF CAP.	0.33µF 50V J	*
	C1403	QFV71HJ-394Z	MF CAP.	0.39µF 50V J	*
	C1421	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1422	QFLC1HJ-103Z	M CAP.	0.01µF 50V J	*
	C1424	QETN1VM-107Z	E CAP.	100µF 35V M	*
	C1425	QETN1VM-477Z	E CAP.	470µF 35V M	*
	C1427	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1428	QETM1EM-228	E CAP.	2200µF 25V M	*
	C1431	QFLC1HJ-563Z	M CAP.	0.056µF 50V J	*
	C1432	QETN1HM-476Z	E CAP.	47µF 50V M	*
	C1433	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1434	NDC21HJ-100X	C CAP.	10pF 50V J	*
	C1435	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1436	QFN32AK-224	M CAP.	0.22µF 100V K	*
	C1501	QETN1CM-337Z	E CAP.	330µF 16V M	*
	C1502-03	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1504	QETN1HM-106Z	E CAP.	10µF 50V M	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	CAPACITOR				
	C1505	NCB21HK-333X	C CAP.	0.033µF 50V K	*
	C1506	NCB21HK-223X	C CAP.	0.022µF 50V K	*
	C1507	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1508	NDC21HG-201X	CHIP C CAP.	200pF 50V G	
	C1510	QETN1HM-225Z	E CAP.	2.2µF 50V M	*
	C1521	QCB32HK-151Z	C CAP.	150pF 500V K	*
	C1522	QCB32HK-331Z	C CAP.	330pF 500V K	*
	C1523	QETN2CM-105Z	E CAP.	1µF 160V M	*
⚠	C1531	QFZ0117-4701	MPP CAP.	4700pF1.4kVH±2.5%	*
⚠	C1532	QFZ0117-1302	MPP CAP.	0.013µF1.4kVH±2.5%	*
⚠	C1533	QFP32GJ-223	PP CAP.	0.022µF 400V J	*
	C1534	QEHR2EM-225Z	E CAP.	2.2µF 250V M	
⚠	C1535	QFZ0119-624	MPP CAP.	0.62µF 200V ±3%	*
	C1536	QCB32HK-561Z	C CAP.	560pF 500V K	*
	C1538	QEZ0420-107	E CAP.	100µF 160V M	*
	C1541	QETN2EM-106Z	E CAP.	10µF 250V M	*
	C1542	QETM1VM-108	E CAP.	1000µF 35V M	*
	C1544	QETN1VM-107Z	E CAP.	100µF 35V M	*
	C1545	QFLC2AJ-103Z	M CAP.	0.01µF 100V J	*
	C1546	QFV71HJ-684Z	MF CAP.	0.68µF 50V J	*
	C1551	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1578-79	QEM61HK-475Z	E CAP.	4.7µF 50V K	
	C1602	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C1604	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C1605	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1606	QETN1EM-108Z	E CAP.	1000µF 25V M	*
	C1607	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C1608-09	QETN1EM-108Z	E CAP.	1000µF 25V M	*
	C1613	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1615-17	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C1701	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1702	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1703	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1704	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1705	NDC21HJ-181X	C CAP.	180pF 50V J	*
	C1706	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C1708	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1710-11	NDC21HJ-390X	C CAP.	39pF 50V J	*
	C1712	NDC21HJ-270X	C CAP.	27pF 50V J	*
	C1714	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1715	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1716	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1717-18	NDC21HJ-330X	C CAP.	33pF 50V J	*
	C1719	NDC21HJ-471X	C CAP.	470pF 50V J	*
	C1720-21	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1736	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1741	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1743	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1744	NRSA02J-0R0X	MG R	0.011 1/10W J	*
	C1746	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1771	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1772	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1773	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1774	QETN1CM-227Z	E CAP.	220µF 16V M	*
	C1784	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1801-03	QETN1HM-105Z	E CAP.	1µF 50V M	*
⚠	C1906	QCZ9078-102	C CAP.	1000pFAC250V M	*
⚠	C1907	QCZ9078-102	C CAP.	1000pFAC250V M	*
⚠	C1908	QCZ9078-102	C CAP.	1000pFAC250V M	*
⚠	C1910	QEZ0169-477	E CAP.	470µF 200V M	*
	C1911	QETN1VM-477Z	E CAP.	470µF 35V M	*
	C1912	QFN31HJ-102Z	M CAP.	1000pF 50V J	*
	C1913	QCZ0131-222	C CAP.	2200pF 2000V K	
	C1914	QCZ0325-391	C CAP.	390pF 2000V K	*
	C1918	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1919	NCB21HK-332X	C CAP.	3300pF 50V K	*
	C1920	QFLC1HJ-823Z	M CAP.	0.082µF 50V J	*
	C1921	QCZ0132-152Z	C CAP.	1500pF 500V K	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	CAPACITOR				
	C1923	QCZ0132-152Z	C CAP.	1500pF 500V K	*
	C1924	QEZ0420-107	E CAP.	100µF 160V M	*
	C1925	QCZ0132-152Z	C CAP.	1500pF 500V K	*
	C1926	QETM1VM-108	E CAP.	1000µF 35V M	*
	C1927	QETN1CM-227Z	E CAP.	220µF 16V M	*
	C1928	QETN1EM-108Z	E CAP.	1000µF 25V M	*
	C1931-32	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1933	QCZ0132-152Z	C CAP.	1500pF 500V K	*
	C1934	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1935	QETN1HM-107Z	E CAP.	100µF 50V M	*
	C1937	QETN2CM-106Z	E CAP.	10µF 160V M	*
	C1938	NDC21HJ-471X	C CAP.	470pF 50V J	*
	C1951	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1952	QETN1HM-476Z	E CAP.	47µF 50V M	*
	C1954	QETN1HM-226Z	E CAP.	22µF 50V M	*
	C1971	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1972	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1973	QETN1CM-108Z	E CAP.	1000µF 16V M	*
⚠	C1990	QCZ9074-103	C CAP.	0.01µFAC125V M	*
⚠	C1991	QCZ9074-103	C CAP.	0.01µFAC125V M	*
	TRANSFORMER				
	T1521	CE42034-002	H.DRIVE TRANSF.		*
⚠	T1522	QQH0051-001	F B T		*
⚠	T1901	CETS124-001J8	SW TRANSF.		*
	COIL				*
	L1002	QQL29BJ-101Z	PEAKING COIL	100µH	*
	L1201	QQL29BJ-220Z	PEAKING COIL	22µH	*
⚠	L1531	CE41345-00A	LINEARITY COIL		*
	L1532	QQLZ016-821	CHOKE COIL		*
⚠	L1591	QQLZ018-220	HEATER CHOKE		*
	L1701	QQL29BJ-4R7Z	PEAKING COIL	4.7µH	*
	L1702	QQL244J-100Z	COIL	10µH	*
	L1771	QQL29BJ-4R7Z	PEAKING COIL	4.7µH	*
	L1921-22	QQL42AK-820Z	COIL	82µH	*
	DIODE				
	D1001	MTZJ33A-T2	ZENER DIODE		*
	D1241-42	1SS133-T2	SI.DIODE		*
	D1244-45	1SS133-T2	SI.DIODE		*
	D1421	1N4003-T2	SI.DIODE		*
	D1422	MTZJ75-T2	ZENER DIODE		*
	D1501	1SS133-T2	SI.DIODE		*
	D1502-03	MTZJ6.2B-T2	ZENER DIODE		*
	D1504	MTZJ5.1B-T2	ZENER DIODE		*
	D1531	RH3G-F1	SI.DIODE		*
	D1532	RU3AM-LFC4	SI.DIODE		*
	D1533	RGP10J-5025-T3	SI.DIODE		*
	D1541	RH1S-T3	SI.DIODE		*
	D1542	RGP10J-5025-T3	SI.DIODE		*
	D1544	1SS81-T2	SI.DIODE		*
	D1546	1SR124-400A-T2	SI.DIODE		*
	D1547	1SS81-T2	SI.DIODE		*
	D1549	MTZJ5.1B-T2	ZENER DIODE		*
⚠	D1551	MA4068N/Z1/-T2	ZENER DIODE		*
	D1560-61	1SS133-T2	SI.DIODE		*
	D1601-02	1SS133-T2	SI.DIODE		*
	D1608-10	1SS133-T2	SI.DIODE		*
	D1701-03	1SS133-T2	SI.DIODE		*
	D1704-05	MTZJ5.6B-T2	ZENER DIODE		*
	D1741-42	1SS133-T2	SI.DIODE		*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	DIODE				
	D1771-72	1SS133-T2	SI.DIODE		*
	D1821	MTZJ15A-T2	ZENER DIODE		*
	D1831-32	1SS133-T2	SI.DIODE		*
⚠	D1901	D3SBA60-S1	BRIDGE DIODE		*
	D1902	RGP10J-5025-T3	SI.DIODE		*
	D1903-04	1SS133-T2	SI.DIODE		*
	D1909	MTZJ15A-T2	ZENER DIODE		*
	D1910	RGP10J-5025-T3	SI.DIODE		*
	D1911	1SS133-T2	SI.DIODE		*
	D1912	MTZJ15A-T2	ZENER DIODE		*
	D1913-14	RGP10J-5025-T3	SI.DIODE		*
	D1916	RGP10J-5025-T3	SI.DIODE		*
	D1918	MTZJ15A-T2	ZENER DIODE		*
	D1919-20	1SS133-T2	SI.DIODE		*
	D1921	RU30A-F1	SI.DIODE		*
	D1922-23	RU3YX-LFC4	SI.DIODE		*
	D1925	RGP10J-5025-T3	SI.DIODE		*
	D1926-28	1SS133-T2	SI.DIODE		*
	D1931	1SS133-T2	SI.DIODE		*
	D1933	1SS133-T2	SI.DIODE		*
	D1942	MTZJ6.8A-T2	ZENER DIODE		*
	D1951	MTZJ7.5S-T2	ZENER DIODE		*
	TRANSISTOR				
	Q1001	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1201	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1203-04	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1205	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q1231	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1241-42	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1261	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1271-74	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1521	2SC4212/Z1/	SI.TRANSISTOR		*
⚠	Q1531	2SD2539-LB	SI.TRANSISTOR	H.OUT	*
	Q1541	2SA1037AK/QR/-X	SI.TRANSISTOR		*
⚠	Q1542	2SC2785/JH/-T	SI.TRANSISTOR		*
	Q1551-52	2SA1309A/QR/-T	SI.TRANSISTOR		*
⚠	Q1553	2SD1408/OY/-LB	SI.TRANSISTOR		*
	Q1602	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1603	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1604	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q1742	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1743-44	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1821	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q1822-23	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1831	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1832	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q1911	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q1912	2SD2088-T	SI.TRANSISTOR		*
	Q1921	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1922	2SD1383K/AB/-X	SI.TRANSISTOR		*
	Q1923	2SA1020/Y/-T	SI.TRANSISTOR		*
	Q1924	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1925	2SA949/Y/Z1-T	SI.TRANSISTOR		*
	Q1926	2SC2240/GL/-T	SI.TRANSISTOR		*
	Q1927-28	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1942	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1943	2SC2240/GL/-T	SI.TRANSISTOR		*
	Q1944	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1951	2SA949/Y/Z1-T	SI.TRANSISTOR		*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	IC				
	IC1001	BA17805T	I.C.(MONO-ANA)		*
	IC1201	JCC1007A	I.C.(MONO-ANA)		
	IC1281	M52055FP-X	I.C.(MONO-ANA)		
⚠	IC1421	LA7841	I.C.(MONO-ANA)		
	IC1423	AN78L09-T	I.C.(MONO-ANA)		*
⚠	IC1601	LA4485	I.C.(MONO-ANA)		*
	IC1701	MN1874878JR	I C		*
	IC1702	AT24C02-27D500	I C	(SERVICE)	
	IC1703	MN1381/Q/-T	I.C.(MONO-ANA)		*
	IC1771	AN77L05-T	I.C.(MONO-ANA)		*
⚠	IC1901	STR-F6626	I.C.(HYBRID)		
⚠	IC1941	SE135N	I.C.(HYBRID)		*
	IC1971	BA17809T	I.C.(MONO-ANA)		*
	OTHERS				
	CF1001	QAX0349-001	CERAMIC TRAP		*
	CF1501	CSB503F39	CER.RESONATOR		*
	CF1701	FCR12.0M2S	CER.RESONATOR		*
	CL1001	CM47653-001	P.W.B.HOLDER		*
	K1421	CE42050-001Z	CORE		*
	K1901-03	CE41433-001Z	BEADS CORE		*
	K1905-06	CE41433-001Z	BEADS CORE		*
	K1921-24	CE41433-001Z	BEADS CORE		*
⚠	PC1901	TLP621(B)	I.C.(PH.COUPLER)		*
⚠	PC1902	TLP621(B)	I.C.(PH.COUPLER)		*
⚠	RY1901	QSK0101-001	RELAY		*
⚠	RY1921	QSK0101-001	RELAY		*
	S1421	QSL4A13-C02	LEVER SWITCH	V SENTER	*
⚠	TH1901	CEKP007-002	P.THERMISTOR		*
⚠	TU1001	QAU0134-001	TUNER		*
	W1295	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1297	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1300	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1667-68	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1677	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1691-96	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1718-21	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1763-65	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1770	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1820	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1827-28	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1834	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1856	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1878 79	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1885	NRSA02J 0R0X	MG R	0.0Ω 1/10W J	*
	W1892	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1900	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1902	NRSA02J 0R0X	MG R	0.0Ω 1/10W J	*
	X1301	QAX0310-001Z	CRYSTAL		*
	Y1604	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	Y1709	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	Y1711	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	Y1721-22	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*

CRT SOCKET P.W. BOARD ASS'Y (SGR-3001A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R3351-56	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R3357-59	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R3360-62	QRZ0111-152	C R	1500pF 1/2W K	*
	R3363	QRG029J-103	OM R	10kΩ 2W J	*
	R3364-65	QRG029J-103	OM R	10kΩ 2W J	*
	R3366-68	NRSA02J-272X	MG R	2.7kΩ 1/10W J	*
	R3369-71	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R3381	QRE121J-394Y	C R	390kΩ 1/2W J	*
	CAPACITOR				
	C3354-55	NCS21HJ-331X	C CAP.	330pF 50V J	*
	C3356	NCS21HJ-391X	C CAP.	390pF 50V J	*
	C3357	QETN1CM-107Z	E CAP.	100µF 16V M	*
⚠	C3382	QCZ0121-102	C CAP.	1000pF 3000V Z	*
	COIL				
	L3381	QQL39BK-101Z	COIL	100µH	*
	TRANSISTOR				
	Q3351-53	2SC4544-LB	SI.TRANSISTOR		*
	Q3354-56	2SC2412K/QR/-X	SI.TRANSISTOR		*
	OTHERS				
⚠	SK3351	CE42535-001J1	C.R.T.SOCKET		*
	W3002	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W3006	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*

FRONT CONTROL P.W. BOARD ASS'Y (SGR-4001A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R4701	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R4702	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R4703	NRSA02J-153X	MG R	15kΩ 1/10W J	*
	R4704	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R4705	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R4706	NRSA02J-153X	MG R	15kΩ 1/10W J	*
	R4707	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R4708	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R4709	NRSA02J-561X	MG R	560Ω 1/10W J	*
	CAPACITOR				
	C4841	QETN1CM-476Z	E CAP.	47µF 16V M	*
	DIODE				
	D4701	SLR-342VR3F	L.E.D.		*
	TRANSISTOR				
	Q4701-02	DTA124EKA-X	DIGI.TRANSISTOR		*
	IC				
	IC4841	GP1U281Q	IFR DETECT UNIT		*
	OTHERS				
		LC30190-001B-A	LED HOLDER		*
	S4702	QSW0619-003Z	PUSH SWITCH	MENU	*
	S4703	QSW0619-003Z	PUSH SWITCH	CH -	*
	S4704	QSW0619-003Z	PUSH SWITCH	CH +	*
	S4705	QSW0619-003Z	PUSH SWITCH	VOL -	*
	S4706	QSW0619-003Z	PUSH SWITCH	VOL +	*
	S4707	QSW0619-003Z	PUSH SWITCH	POWER	*
	W4001-02	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*

AV SELECTOR P.W. BOARD ASS'Y (SGR-8002A-M2)

⚠ Symbol No.	Part No.	Part Name	Description	Local
RESISTOR				
R8181	NRSA02J-102X	MG R	1kΩ 1/10W J	*
R8182	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
R8183	NRSA02J-153X	MG R	15kΩ 1/10W J	*
R8184	NRSA02J-683X	MG R	68kΩ 1/10W J	*
R8185	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
R8186	NRSA02J-333X	MG R	33kΩ 1/10W J	*
R8187	NRVA02D-153X	MF R	15kΩ 1/10W D	*
R8188	NRVA02D-152X	MF R	1.5kΩ 1/10W D	*
R8189	NRSA02J-512X	MG R	5.1kΩ 1/10W J	*
R8202	NRSA02J-101X	MG R	100Ω 1/10W J	*
R8203	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
R8204	NRSA02J-331X	MG R	330Ω 1/10W J	*
R8210	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
R8211	NRSA02J-153X	MG R	15kΩ 1/10W J	*
R8212	NRSA02J-333X	MG R	33kΩ 1/10W J	*
R8213	NRSA02J-102X	MG R	1kΩ 1/10W J	*
R8214	NRSA02J-181X	MG R	180Ω 1/10W J	*
R8215	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
R8216-17	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
R8218	NRSA02J-102X	MG R	1kΩ 1/10W J	*
R8223	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
R8224-25	NRSA02J-473X	MG R	47kΩ 1/10W J	*
R8226	NRSA02J-101X	MG R	100Ω 1/10W J	*
R8227	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
R8229	NRSA02J-473X	MG R	47kΩ 1/10W J	*
R8230	NRSA02J-223X	MG R	22kΩ 1/10W J	*
R8231	NRSA02J-101X	MG R	100Ω 1/10W J	*
R8232-33	NRSA02J-102X	MG R	1kΩ 1/10W J	*
R8234	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
R8235-36	NRSA02J-101X	MG R	100Ω 1/10W J	*
R8237	NRSA02J-102X	MG R	1kΩ 1/10W J	*
R8241	NRSA02J-821X	MG R	820Ω 1/10W J	*
R8251	NRSA02J-471X	MG R	470Ω 1/10W J	*
R8255	NRSA02J-471X	MG R	470Ω 1/10W J	*
R8256	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
R8257	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
R8258	NRSA02J-101X	MG R	100Ω 1/10W J	*
R8259	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
R8271	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
R8275	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
R8276	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
R8301	NRSA02J-221X	MG R	220Ω 1/10W J	*
R8303	NRSA02J-102X	MG R	1kΩ 1/10W J	*
R8304	NRSA02J-101X	MG R	100Ω 1/10W J	*
R8305	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
R8306	NRSA02J-471X	MG R	470Ω 1/10W J	*
R8308	NRSA02J-331X	MG R	330Ω 1/10W J	*
R8310-11	NRSA02J-153X	MG R	15kΩ 1/10W J	*
R8371	NRSA02J-102X	MG R	1kΩ 1/10W J	*
R8372	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
R8375	NRSA02J-183X	MG R	18kΩ 1/10W J	*
R8376	NRSA02J-103X	MG R	10kΩ 1/10W J	*
R8377	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
R8378	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
R8631-34	NRSA02J-101X	MG R	100Ω 1/10W J	*
R8651-54	NRSA02J-223X	MG R	22kΩ 1/10W J	*
R8655	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
R8657	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
R8659	NRSA02J-103X	MG R	10kΩ 1/10W J	*
R8671-74	NRSA02J-103X	MG R	10kΩ 1/10W J	*
R8675-76	NRSA02J-333X	MG R	33kΩ 1/10W J	*
R8677-78	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
R8681	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
R8682	NRSA02J-223X	MG R	22kΩ 1/10W J	*

⚠ Symbol No.	Part No.	Part Name	Description	Local
RESISTOR				
R8684-87	NRSA02J-223X	MG R	22kΩ 1/10W J	*
R8691-92	NRSA02J-221X	MG R	220Ω 1/10W J	*
R8693-94	NRSA02J-823X	MG R	82kΩ 1/10W J	*
R8695-96	NRSA02J-221X	MG R	220Ω 1/10W J	*
R8801-03	NRSA02J-820X	MG R	82Ω 1/10W J	*
R8804-05	NRSA02J-823X	MG R	82kΩ 1/10W J	*
R8808	NRSA02J-820X	MG R	82Ω 1/10W J	*
R8809-10	NRSA02J-823X	MG R	82kΩ 1/10W J	*
R8811-14	NRSA02J-102X	MG R	1kΩ 1/10W J	*
R8818	NRSA02J-102X	MG R	1kΩ 1/10W J	*
R8819	NRSA02J-223X	MG R	22kΩ 1/10W J	*
R8820	NRSA02J-183X	MG R	18kΩ 1/10W J	*
R8821-22	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
R8823	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
R8824	NRSA02J-272X	MG R	2.7kΩ 1/10W J	*
R8825	NRSA02J-223X	MG R	22kΩ 1/10W J	*
R8826	NRSA02J-273X	MG R	27kΩ 1/10W J	*
R8827	NRSA02J-183X	MG R	18kΩ 1/10W J	*
R8828	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
R8831	NRSA02J-821X	MG R	820Ω 1/10W J	*
R8832-33	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
R8835	NRSA02J-273X	MG R	27kΩ 1/10W J	*
R8836	NRSA02J-223X	MG R	22kΩ 1/10W J	*
R8837	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
R8847	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
R8848	NRSA02J-101X	MG R	100Ω 1/10W J	*
R8849	QRE141J-682Y	C R	6800Ω 1/4W J	*
R8851	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
R8852	NRSA02J-223X	MG R	22kΩ 1/10W J	*
R8861-63	NRSA02J-820X	MG R	82Ω 1/10W J	*
R8864-65	NRSA02J-223X	MG R	22kΩ 1/10W J	*
R8866-67	NRSA02J-153X	MG R	15kΩ 1/10W J	*
R8868-69	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
R8870-71	NRSA02J-271X	MG R	270Ω 1/10W J	*
R8872-73	NRSA02J-102X	MG R	1kΩ 1/10W J	*
R8874-75	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
CAPACITOR				
C8181	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
C8182	QENC1HM-475Z	BP E CAP.	4.7μF 50V M	*
C8183	QENC1HM-105Z	BP E CAP.	1μF 50V M	*
C8184	QETN1HM-225Z	E CAP.	2.2μF 50V M	*
C8185	NCB21HK-473X	C CAP.	0.047μF 50V K	*
C8186	QETN1HM-4/4Z	E CAP.	0.47μF 50V M	*
C8187-88	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
C8189	QBTC1CK-335Z	TAN.CAP.	3.3μF 16V K	
C8190	QETN1HM-105Z	E CAP.	1μF 50V M	*
C8191	QBTC1CK-106Z	TAN.CAP.	10μF 16V K	
C8192-93	QETN1HM-105Z	E CAP.	1μF 50V M	*
C8194	QETN1HM-475Z	E CAP.	4.7μF 50V M	*
C8195	QETN1HM-105Z	E CAP.	1μF 50V M	*
C8201	QETN1CM-107Z	E CAP.	100μF 16V M	*
C8203	QETN1EM-476Z	E CAP.	47μF 25V M	*
C8204	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8208	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8209	QETN1EM-476Z	E CAP.	47μF 25V M	*
C8211	QENC1EM-106Z	BP E CAP.	10μF 25V M	*
C8212	NDC21HJ-101X	C CAP.	100pF 50V J	*
C8213	NDC21HJ-470X	C CAP.	47pF 50V J	*
C8214	NDC21HJ-181X	C CAP.	180pF 50V J	*
C8215	QETN1HM-474Z	E CAP.	0.47μF 50V M	*
C8216	NDC21HJ-221X	C CAP.	220pF 50V J	*
C8222	NCB21HK-103X	C CAP.	0.01μF 50V K	*
C8224	NDC21HJ-100X	C CAP.	10pF 50V J	*
C8225-26	NCB21HK-103X	C CAP.	0.01μF 50V K	*

⚠ Symbol No.	Part No.	Part Name	Description			Local
CAPACITOR						
C8231-32	QETN1EM-476Z	E CAP.	47µF	25V	M	*
C8241-45	NCB21HK-103X	C CAP.	0.01µF	50V	K	*
C8246	NDC21HJ-181X	C CAP.	180pF	50V	J	*
C8247-49	NCB21HK-103X	C CAP.	0.01µF	50V	K	*
C8251	QETN1EM-476Z	E CAP.	47µF	25V	M	*
C8252	NCB21HK-103X	C CAP.	0.01µF	50V	K	*
C8255	NDC21HJ-390X	C CAP.	39pF	50V	J	*
C8304	NDC21HJ-560X	C CAP.	56pF	50V	J	*
C8306	NDC21HJ-820X	C CAP.	82pF	50V	J	*
C8307	NDC21HJ-271X	C CAP.	270pF	50V	J	*
C8308	NCB21HK-103X	C CAP.	0.01µF	50V	K	*
C8371	NCB21HK-103X	C CAP.	0.01µF	50V	K	*
C8375	NCB21HK-103X	C CAP.	0.01µF	50V	K	*
C8631	QETN1CM-107Z	E CAP.	100µF	16V	M	*
C8632	NCB21HK-103X	C CAP.	0.01µF	50V	K	*
C8633	QETN1EM-476Z	E CAP.	47µF	25V	M	*
C8634	NCB21HK-273X	C CAP.	0.027µF	50V	K	*
C8635	QETN1HM-225Z	E CAP.	2.2µF	50V	M	*
C8636	NCB21HK-222X	C CAP.	2200pF	50V	K	*
C8637	NCB21HK-104X	CHIP CAP.	0.1µF	50V	K	*
C8638	QETN1HM-225Z	E CAP.	2.2µF	50V	M	*
C8639	NCB21HK-222X	C CAP.	2200pF	50V	K	*
C8640	NCB21HK-104X	CHIP CAP.	0.1µF	50V	K	*
C8643	QETN1HM-105Z	E CAP.	1µF	50V	M	*
C8651-52	QENC1HM-105Z	BP E CAP.	1µF	50V	M	*
C8653-54	NCB21HK-332X	C CAP.	3300pF	50V	K	*
C8655-56	NCB21HK-333X	C CAP.	0.033µF	50V	K	*
C8657-58	QETN1HM-106Z	E CAP.	10µF	50V	M	*
C8659	QETN1EM-476Z	E CAP.	47µF	25V	M	*
C8660	NCB21HK-104X	CHIP CAP.	0.1µF	50V	K	*
C8671-72	QENC1HM-105Z	BP E CAP.	1µF	50V	M	*
C8673	QETN1EM-476Z	E CAP.	47µF	25V	M	*
C8691-92	QETN1HM-474Z	E CAP.	0.47µF	50V	M	*
C8811-14	QETN1HM-105Z	E CAP.	1µF	50V	M	*
C8821	QETN1HM-106Z	E CAP.	10µF	50V	M	*
C8822	QETN1CM-107Z	E CAP.	100µF	16V	M	*
C8823-24	QETN1HM-106Z	E CAP.	10µF	50V	M	*
C8825-27	QETN1HM-106Z	E CAP.	10µF	50V	M	*
C8828	QETN1EM-476Z	E CAP.	47µF	25V	M	*
C8829	QENC1EM-106Z	BP E CAP.	10µF	25V	M	*
C8831	QETN1EM-476Z	E CAP.	47µF	25V	M	*
C8832	NCB21HK-103X	C CAP.	0.01µF	50V	K	*
C8833	QETN1HM-106Z	E CAP.	10µF	50V	M	*
C8835-36	QETN1EM-476Z	E CAP.	47µF	25V	M	*
C8841	QETN1EM-476Z	E CAP.	47µF	25V	M	*
C8842	NCB21HK-103X	C CAP.	0.01µF	50V	K	*
C8843	QETN1HM-106Z	E CAP.	10µF	50V	M	*
C8861-64	QETN1HM-106Z	E CAP.	10µF	50V	M	*
C8865-66	NDC21HJ-270X	C CAP.	27pF	50V	J	*
C8867-68	QETN1HM-106Z	E CAP.	10µF	50V	M	*

⚠ Symbol No.	Part No.	Part Name	Description	Local
COIL				
L8201	QQL29BJ-4R7Z	PEAKING COIL	4.7µH	*
L8202	QQL29BJ-150Z	PEAKING COIL	15µH	*
L8211	QQL29BJ-4R7Z	PEAKING COIL	4.7µH	*
L8241	QQL29BJ-4R7Z	PEAKING COIL	4.7µH	*
L8251	QQL29BJ-4R7Z	PEAKING COIL	4.7µH	*
L8301	QQL29BJ-150Z	PEAKING COIL	15µH	*
L8302	QQL29BJ-100Z	PEAKING COIL	10µH	*
L8801-02	QQL29BJ-4R7Z	PEAKING COIL	4.7µH	*
L8803	QQL29BJ-221Z	PEAKING COIL	220µH	*
DIODE				
D8691-92	MTZJ9.1C-T2	ZENER DIODE		*
D8703	MTZJ5.6B-T2	ZENER DIODE		*
D8811-22	MTZJ9.1C-T2	ZENER DIODE		*
D8861-66	MTZJ9.1C-T2	ZENER DIODE		*

⚠ Symbol No.	Part No.	Part Name	Description	Local
TRANSISTOR				
Q8201	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8211-12	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8217-18	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8219	2SA1037AK/QR/-X	SI.TRANSISTOR		*
Q8252	2SA1037AK/QR/-X	SI.TRANSISTOR		*
Q8253	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8271	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8301-02	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8304-05	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8371	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8681-82	DTC124EKA-X	DIGI.TRANSISTOR		*
Q8684-87	DTC323TK-X	DIGI.TRANSISTOR		*
Q8801-02	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8804-05	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8807	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8851-52	DTC124EKA-X	DIGI.TRANSISTOR		*
Q8861-62	2SC2412K/QR/-X	SI.TRANSISTOR		*
Q8863-64	2SA1037AK/QR/-X	SI.TRANSISTOR		*
IC				
IC8201	TC90A45P	I C		
IC8202	AN78L05-T	I.C.(MONO-ANA)		*
IC8631	UPC1851BCU	I.C.(MONO-ANA)		
IC8651	NJM2150AD	I.C.(MONO-ANA)		
IC8671	BA15218N	I.C.(MONO-ANA)		*
IC8681	TC4066BP	I.C.(DIGI-MOS)		*
IC8801	BA7649A	I C		*
IC8802	BA7644AN	I.C(MONO-ANA)		*
IC8803	TC4066BP	I.C.(DIGI-MOS)		*
OTHERS				
CF8201	EFC-S3R58MS4	CERAMIC FILTER		*
DL8861-62	CE41785-002	LOWPASS FILTER		*
J8801	QNZ0117-001	PIN JACK		*
J8802	QNN0182-001	PIN JACK		*
J8803	QNN0182-002	PIN JACK		*
J8804	QNN0181-001	PIN JACK		*
J8805	QNS0001-001	JACK		*
K8201	CE41433-001Z	BEADS CORE		*
K8242	CE41433-001Z	BEADS CORE		*
W8002	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
W8005-06	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
W8010	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
W8013	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
W8039	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
W8041	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
W8049	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
W8052-54	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
W8056	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*

LINE FILTER P.W. BOARD ASS'Y(SGR-9001A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
⚠	R9998	QRZ9041-275	C R	2.7MΩ 1/2W K	*
	R9999	QRE121J-121Y	C R	120Ω 1/2W J	*
	CAPACITOR				
⚠	C9901	QFZ9067-104	MPP CAP.	0.1μFAC275V M	*
⚠	C9902	QFZ9067-473	MPP CAP.	0.047μFAC275V M	*
⚠	C9903	QFZ9067-104	MPP CAP.	0.1μFAC275V M	*
⚠	C9904	QCZ9052-102	C CAP.	1000pFAC125V M	*
	OTHERS				
⚠	CN90PW	QMPD200-200-JC	POWER CORD		*
⚠	F9901	QMF0007-5R0J1	FUSE	5.0A	*
	FC9901	CEMG002-001Z	FUSE CLIP		*
⚠	LF9901	CELF008-001J5	LINE FILTER		*
⚠	LF9902	CE42335-001J1	LINE FILTER		*
⚠	VA9901	ERZV10V621CS	VARISTOR		*

IF P.W. BOARD ASS'Y(SGR0F001A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R0101	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R0102	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
	R0103	QRE121J-101Y	C R	100Ω 1/2W J	*
	R0104	NRSA02J-180X	MG R	18Ω 1/10W J	*
	R0105	NRSA02J-270X	MG R	27Ω 1/10W J	*
	R0111-12	NRSA02J-154X	MG R	150kΩ 1/10W J	*
	R0113	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R0116	NRSA02J-680X	MG R	68Ω 1/10W J	*
	R0117	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R0118	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R0131	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R0132	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R0133	NRSA02J-821X	MG R	820Ω 1/10W J	*
	R0134	NRSA02J-391X	MG R	390Ω 1/10W J	*
	R0135	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R0161	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R0162	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R0163	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R0164	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R0165	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R0166	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R0167	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R0168	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R0169	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R0171	NRSA02J-103X	MG R	10kΩ 1/10W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	CAPACITOR				
	C0101-02	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C0104-05	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C0106	QETN1HM-476Z	E CAP.	47μF 50V M	*
	C0107	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C0113-14	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C0116	QFV71HJ-224Z	MF CAP.	0.22μF 50V J	*
	C0117	QETN1EM-476Z	E CAP.	47μF 25V M	*
	C0118	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C0119	NDC21HJ-681X	C CAP.	680pF 50V J	*
	C0120	QETN1HM-474Z	E CAP.	0.47μF 50V M	*
	C0124	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C0131	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C0161	QETN1HM-106Z	E CAP.	10μF 50V M	*
	C0163-64	NDC21HJ-470X	C CAP.	47pF 50V J	*
	C0165-66	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C0167	QENC1HM-105Z	BP E CAP.	1μF 50V M	*
	TRANSFORMER				
	T0111	QQR0907-001	I.F.TRANSFOMER		*
	COIL				
	L0101	QQLZ014-R22	PEAKING COIL	0.22μH	*
	L0113	QQL29BJ-4R7Z	PEAKING COIL	4.7μH	*
	L0131	QQL29BJ-150Z	PEAKING COIL	15μH	*
	L0161	QQL29BJ-220Z	PEAKING COIL	22μH	*
	TRANSISTOR				
	Q0101	2SC5083/L-P/-T	SI.TRANSISTOR		*
	Q0131	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q0161	2SC2412K/QR/-X	SI.TRANSISTOR		*
	IC				
	IC0101	M52342SP	I.C.(MONO-ANA)		
	OTHERS				
	CF0101	QAX0324-002	SAW FILTER		*
	CF0131	QAX0339-001	CERAMIC FILTER		*
	CF0161	SFSH4.5MCB	CERAMIC FILTER		*
	SF0101	QAX0324-002	SAW FILTER		*
	Y0002	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*

PIP P.W. BOARD ASS'Y(SGR0P001A-M2)

RESISTOR

⚠	Symbol No.	Part No.	Part Name	Description	Local
	R0001-02	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R0003-04	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R0101	NRSA02J-820X	MG R	82Ω 1/10W J	*
	R0102	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R0103	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
	R0104	NRSA02J-180X	MG R	18Ω 1/10W J	*
	R0105	NRSA02J-270X	MG R	27Ω 1/10W J	*
	R0106	QRE121J-101Y	C R	100Ω 1/2W J	*
	R0110-11	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R0112	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R0113	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R0114	NRVA02D-221X	MF R	220Ω 1/10W D	*
	R0115	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R0117	NRSA02J-181X	MG R	180Ω 1/10W J	*
	R0119	NRSA02J-821X	MG R	820Ω 1/10W J	*
	R0120	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R0121	NRSA02J-330X	MG R	33Ω 1/10W J	*
	R0124	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R0125	NRSA02J-334X	MG R	330kΩ 1/10W J	*
	R0126	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R0127	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R0301	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R0303	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R0304	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R0306	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R0311	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R0313	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R0314	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R0316	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R0317	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R0331	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R0337	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R0343	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R0351	QRG029J-220	OM R	22 Ω 2W J	*
	R0401	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R0403	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R0404	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R0405	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R0406	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R0407	QRA14CF-1002Y	MF R	10kΩ 1/4W F	*
	R0408-09	NRSA02J-101X	MG R	100Ω 1/10W J	*

CAPACITOR

⚠	Symbol No.	Part No.	Part Name	Description	Local
	C0001	QETN1HM-475Z	E CAP.	4.7µF 50V M	*
	C0004	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C0005	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C0006	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C0007-08	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C0101-03	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C0104	NCB21HK-222X	C CAP.	2200pF 50V K	*
	C0105	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C0106	NCB21HK-222X	C CAP.	2200pF 50V K	*
	C0107	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C0108	NDC21HJ-101X	C CAP.	100pF 50V J	*
	C0109-10	QFV71HJ-224Z	MF CAP.	0.22µF 50V J	*
	C0112	NCB21HK-222X	C CAP.	2200pF 50V K	*
	C0113	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C0114	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C0115	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C0116	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C0117	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C0118	QFV71HJ-224Z	MF CAP.	0.22µF 50V J	*
	C0119	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C0120	QETN1EM-476Z	E CAP.	47µF 25V M	*

CAPACITOR

⚠	Symbol No.	Part No.	Part Name	Description	Local
	C0301-02	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	C0312-13	NDC21HJ-270X	C CAP.	27pF 50V J	*
	C0314	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C0315	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C0316-18	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C0319	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C0320	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C0321	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C0322	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C0323	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C0324-26	NCB21HK-103X	C CAP.	0.01µF 50V K	
	C0327	QETN1HM-225Z	E CAP.	2.2µF 50V M	*
	C0328	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C0329	QETN1HM-225Z	E CAP.	2.2µF 50V M	*
	C0330	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C0331	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C0351-52	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C0353	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C0401	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C0402	NDC21HJ-471X	C CAP.	470pF 50V J	*
	C0403	NDC21HJ-331X	C CAP.	330pF 50V J	*
	C0405	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C0406	NCB21EK-683X	C CAP.	0.068µF 25V K	*
	C0407	NCB21HK-682X	C CAP.	6800pF 50V K	*
	C0408	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C0409	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C0410-11	NCB21HK-103X	C CAP.	0.01µF 50V K	*

COIL

⚠	Symbol No.	Part No.	Part Name	Description	Local
	L0101	QQLZ014-R22	PEAKING COIL	0.22µH	*
	L0103	CE42452-003	COIL		*
	L0104	QQL29BJ-150Z	PEAKING COIL	15µH	*
	L0106	QQL29BJ-6R8Z	PEAKING COIL	6.8µH	*
	L0302-04	QQL29BJ-6R8Z	PEAKING COIL	6.8µH	*
	L0401	QQL29BJ-6R8Z	PEAKING COIL	6.8µH	

DIODE

⚠	Symbol No.	Part No.	Part Name	Description	Local
	D0301-02	1SS133-T2	SI.DIODE		*

TRANSISTOR

⚠	Symbol No.	Part No.	Part Name	Description	Local
	Q0101	2SC5083/L-P/-T	SI.TRANSISTOR		*
	Q0102-03	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q0301-02	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q0401	2SC2412K/QR/-X	SI.TRANSISTOR		*

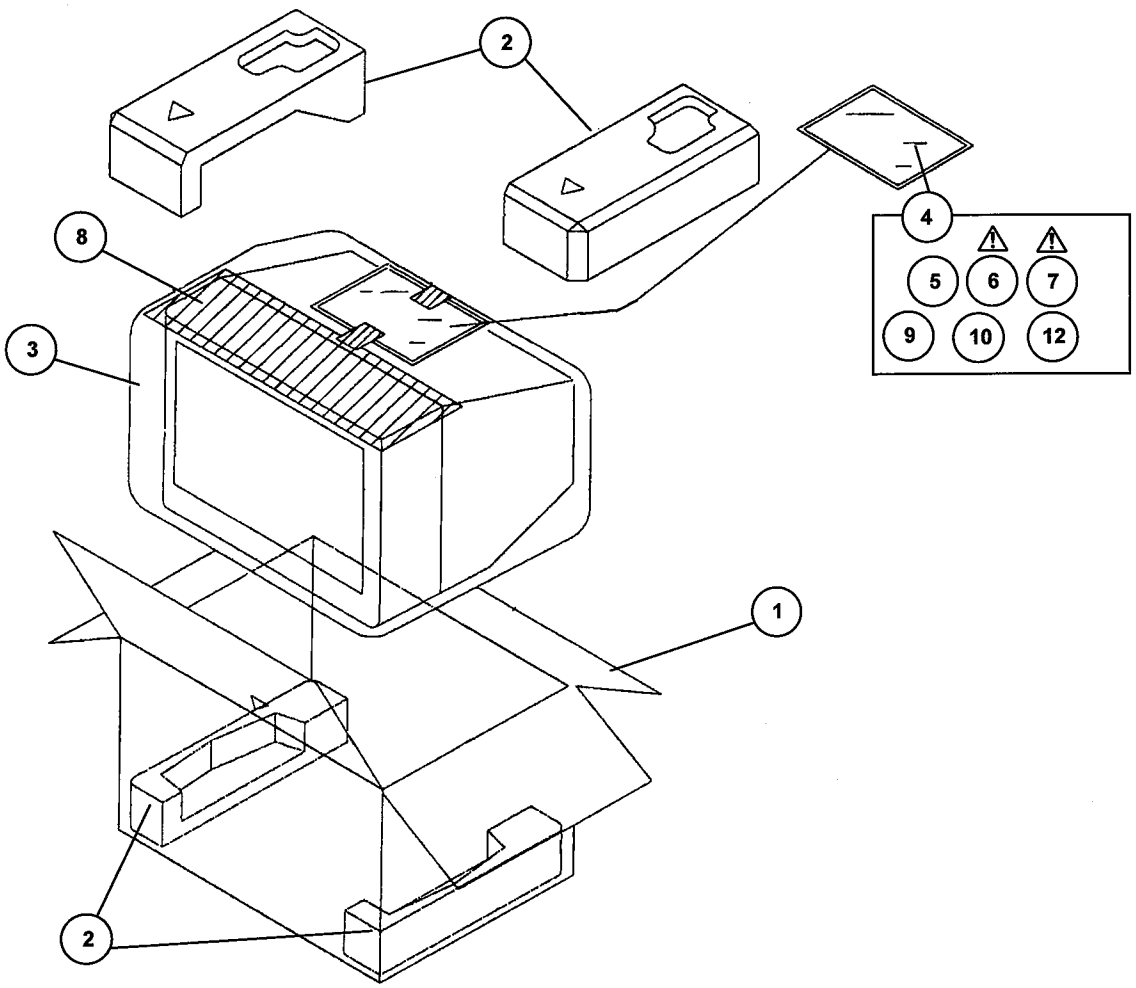
IC

⚠	Symbol No.	Part No.	Part Name	Description	Local
	IC0001	AN7805	I.C(MONO-ANA)		*
	IC0101	LA7583	I.C(MONO-ANA)		*
	IC0301	SDA9388X-X	I.C(DIGI-OTHER)		*
	IC0351	AN7805	I.C(MONO-ANA)		*
	IC0401	Z8613012PSC	I.C(MONO-ANA)		*
	IC0402	MN1381/Q/-T	I.C(MONO-ANA)		*

OTHERS

⚠	Symbol No.	Part No.	Part Name	Description	Local
	CF0102	FCR5.71M2SF3	CER.RESONATOR		*
	CF0103	QAX0339-001	CERAMIC FILTER		*
	K0102	CE41433-001Z	BEADS CORE		*
	SF0101	QAX0483-001	SAW FILTER		*
⚠	TU0001	QAU0130-001	TUNER		*
	W0038	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	X0301	QAX0521-001Z	X TAL		*
	Y0301	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
					*
	Y0331-33	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*

PACKING



PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	[America Model]				
	1	LC10181-008A-A	PACKING CASE		*
	2	LC10367-002A-A	CUSHION ASSY	4pcs in 1set	*
	3	CP30056-008-A	POLY BAG		*
	4	QPGA025-03505A	POLY BAG		*
	5	RM-C343-1A	REMOCON UNIT		*
⚠	6	LCT0328-001A-A	INST BOOK	[ENGLISH]	*
	8	CP30055-001-A	TOP COVER		*
	9	BT-51006-1Q	REGISTER CARD		*
					*
	10	LCT0414-001A-A	QUICK SETUP GUID	[ENGLISH]	*
	[Canada Model]				
	1	LC10181-008A-A	PACKING CASE		*
	2	LC10367-002A-A	CUSHION ASSY	4pcs in 1set	*
	3	CP30056-008-A	POLY BAG		*
	4	QPGA025-03505A	POLY BAG		*
	5	RM-C343-1A	REMOCON UNIT		*
⚠	6	LCT0328-001A-A	INST BOOK	[ENGLISH]	*
⚠	7	LCT0329-001A-A	INST BOOK	[FRENCH]	*
	8	CP30055-001-A	TOP COVER		*
					*
	9	BT-51006-1Q	REGISTER CARD		*
	10	LCT0414-001A-A	QUICK SETUP GUID	[ENGLISH]	*
	12	LCT0415-001A-A	QUICK SETUP GUID	[FRENCH]	*

Ⅱ. AV-32D500 (US&CA) / Ⅲ.AV-32D500 (A US&A CA)

EXPLODED VIEW PARTS LIST

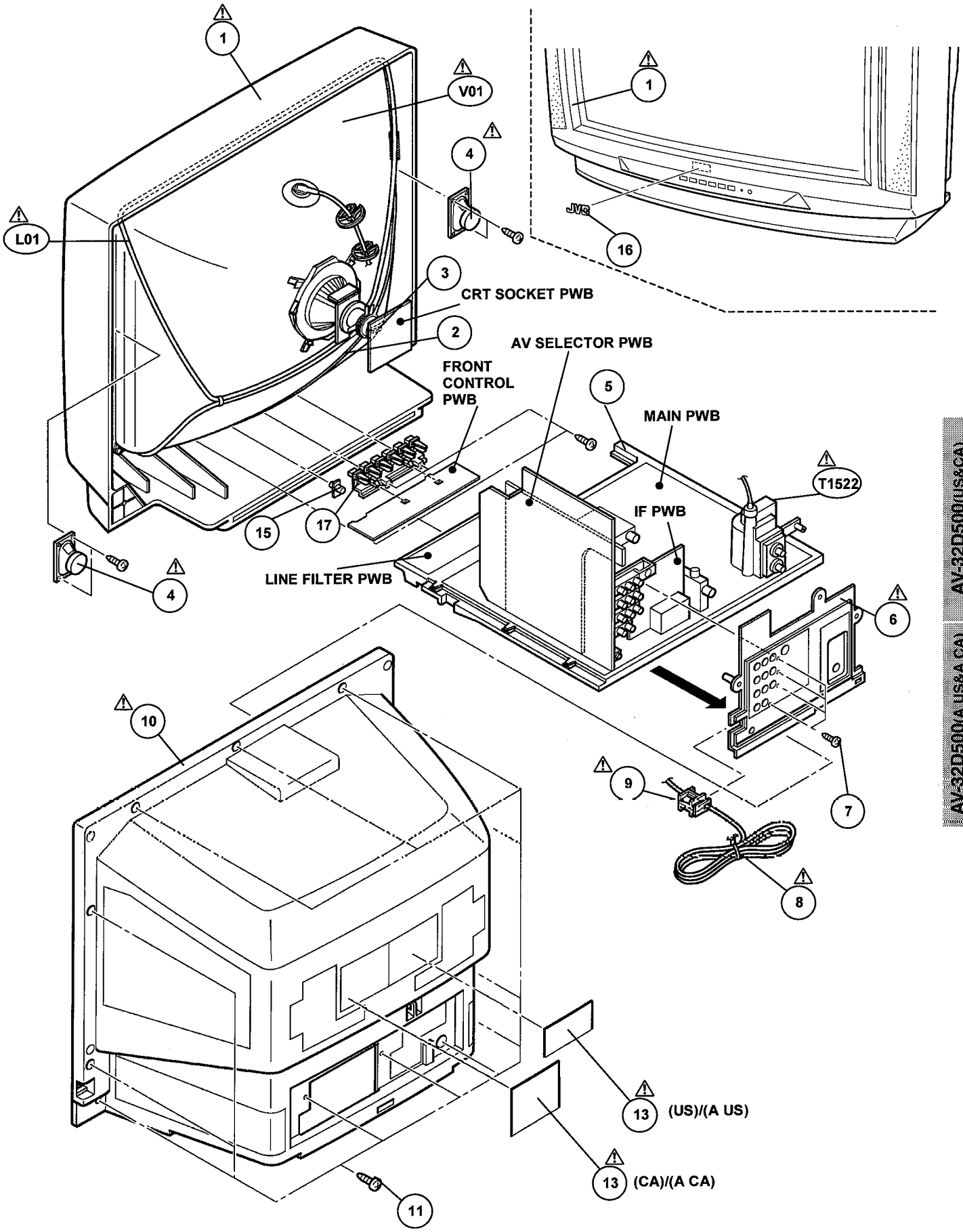
[AV-32D500 (US&CA)]

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	V01	A80LJF30X08(W)	ITC TUBE(C)	Inc DY,PC,WED	*
⚠	L01	CELD066-002JA	DEGAUSSING COIL		*
⚠	T1522	QQH0051-001	FBT	Within MAIN PWB	*
⚠	1	LC10307-001C-A	FRONT CABINET		*
	2	CHGB0015-0E	BRAIDED WIRE		*
	3	CHGB0016-0D	SUB BRAIDED WIRE		*
⚠	4	CEBSS12D-04KJ2	SPEAKER	(×2)SP01,SP02	*
	5	LC10363-001D-A	CHASSIS BASE		*
⚠	6	LC10364-001C-A	TERMINAL BOARD		*
	7	SBSB3010Z	TAPPING SCREW	(×4)	*
⚠	8	QMPD200-200-JC	POWER CORD	Within LINE FILTER PWB	*
⚠	9	LC20106-001B-A	POWER CORD CLAMP		*
⚠	10	LC10308-001C-A	REAR COVER		*
	11	QYSBSFG4016Z	TAPPING SCREW	(×12)	*
⚠	**13**	**CM23034-001-A**	**RATING LABEL**	**(US)**	*
⚠	**13**	**CM22999-A01-A**	**RATING LABEL**	**(CA)**	*
	15	LC30191-002A-A	REMOCON LENS		*
	16	CM48006-A03-H	JVC MARK		*
	17	LC20217-001B-A	CONTROL KNOB		*

[AV-32D500 (A US&A CA)]

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	V01	M80JUA061X06	PICTURE TUBE(C)	Inc DY,PC,WED	*
⚠	L01	CELD066-002JA	DEGAUSSING COIL		*
⚠	T1522	QQH0051-001	FBT	Within MAIN PWB	*
⚠	1	LC10307-001C-A	FRONT CABINET		*
	2	CHGB0015-0E	BRAIDED WIRE		*
	3	CHGB0016-0D	SUB BRAIDED WIRE		*
⚠	4	CEBSS12D-04KJ2	SPEAKER	(×2)SP01,SP02	*
	5	LC10363-001D-A	CHASSIS BASE		*
					*
⚠	6	LC10364-001C-A	TERMINAL BOARD		*
	7	SBSB3010Z	TAPPING SCREW	(×4)	*
⚠	8	QMPD200-200-JC	POWER CORD	Within LINE FILTER PWB	*
⚠	9	LC20106-001B-A	POWER CORD CLAMP		*
⚠	10	LC10308-001C-A	REAR COVER		*
	11	QYSBSFG4016Z	TAPPING SCREW	(×12)	*
⚠	**13**	**CM23034-001-A**	**RATING LABEL**	**(A US)**	*
⚠	**13**	**CM22999-A01-A**	**RATING LABEL**	**(A CA)**	*
	15	LC30191-002A-A	REMOCON LENS		*
	16	CM48006-A03-H	JVC MARK		*
	17	LC20217-001B-A	CONTROL KNOB		*

EXPLODED VIEW



PRINTED WIRING BOARD PARTS LIST

II AV-32D500 (US&CA)

MAIN P.W. BOARD ASS'Y (SGR-1005A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1003	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R1004	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1005	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1006	NRSA02J-820X	MG R	82Ω 1/10W J	*
	R1201	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1202	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1203	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1204	NRSA02J-563X	MG R	56kΩ 1/10W J	*
	R1205	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1209	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1210	NRSA02J-272X	MG R	2.7kΩ 1/10W J	*
	R1212	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1213-14	NRSA02J-821X	MG R	820Ω 1/10W J	*
	R1215	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1216	NRSA02J-272X	MG R	2.7kΩ 1/10W J	*
	R1218-19	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1231	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1232	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R1233	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1234	NRSA02J-821X	MG R	820Ω 1/10W J	*
	R1235	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1236	NRSA02J-105X	MG R	1MΩ 1/10W J	*
	R1237	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1238	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1241	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1242	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1243	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
	R1245	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1246	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1247	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1248	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1251	NRVA02D-102X	MF R	1kΩ 1/10W D	*
	R1252	NRVA02D-681X	MF R	680Ω 1/10W D	*
	R1253	NRSA02J-183X	MG R	18kΩ 1/10W J	*
	R1254	NRSA02J-105X	MG R	1MΩ 1/10W J	*
	R1255	NRSA02J-124X	MG R	120kΩ 1/10W J	*
	R1261	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1262	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1263	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1271	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R1272	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1273	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1274-75	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1276	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1277	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1278	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
	R1279	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1280-83	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1301-02	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1401	NRVA02D-472X	MF R	4.7kΩ 1/10W D	
	R1421	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1423	NRSA02J-393X	MG R	39kΩ 1/10W J	*
	R1424	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1426	NRSA02J-183X	MG R	18kΩ 1/10W J	*
	R1427	QRT029J-1R5	MF R	1.5Ω 2W J	*
	R1429	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1431	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1432	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1433	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1434	QRL029J-181	OM R	180Ω 2W J	*
	R1435	QRE121J-102Y	C R	1kΩ 1/2W J	*
	R1441	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1501	QRK126J-151X	C R	150Ω 1/2W J	*
	R1502	NRSA02J-101X	MG R	100Ω 1/10W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1503	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1504	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R1505	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1506	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1507	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1508-09	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1510	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1511	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1512	NRSA02J-563X	MG R	56kΩ 1/10W J	*
	R1521	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1522	NRSA02J-271X	MG R	270Ω 1/10W J	*
	R1523	QRE121J-103Y	C R	10kΩ 1/2W J	*
	R1524-25	QRG029J-152	OM R	1.5kΩ 2W J	*
	R1531	QRE121J-220Y	C R	22Ω 1/2W J	*
	R1532	QRE121J-681Y	C R	680Ω 1/2W J	*
	R1533	QRL039J-103	OM R	10kΩ 3W J	*
⚠	R1541	QRK129J-150	C R	15Ω 1/2W J	*
	R1542	QRX01GJ-1R2	MF R	1.2Ω 1W J	*
⚠	R1544	QRZ9017-4R7	F R	4.7Ω 1/4W J	*
	R1545	QRE121J-822Y	C R	8.2kΩ 1/2W J	*
	R1547	QRE121J-154Y	C R	150kΩ 1/2W J	*
	R1548	QRE121J-184Y	C R	180kΩ 1/2W J	*
⚠	R1556	QRA14CF-7321Y	MF R	7.32kΩ 1/4W F	*
⚠	R1557	QRA14CF-3301Y	MF R	3.3kΩ 1/4W F	*
	R1558	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1559	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1560	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R1561	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1582	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1583	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1584	NRSA02J-821X	MG R	820Ω 1/10W J	*
	R1585	QRE121J-392Y	C R	3.9kΩ 1/2W J	*
	R1586	QRE121J-682Y	C R	6.8kΩ 1/2W J	*
	R1587	QRE121J-822Y	C R	8.2kΩ 1/2W J	*
	R1588	QRL039J-270	OM R	27Ω 3W J	*
	R1601	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1602	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1603	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1604	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1605	QRT029J-R15	MF R	0.15Ω 2W J	*
	R1606-07	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1611	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1612	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1615-16	NRSA02J-821X	MG R	820Ω 1/10W J	*
	R1617	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1701	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1703	NRSA02J-823X	MG R	82kΩ 1/10W J	*
	R1704	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1705	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1706	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1708	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1710	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1714-16	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1717	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1718	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1719	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1720	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1721	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1724	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1725	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1726-27	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1728-29	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1730-31	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1732	NRSA02J-224X	MG R	220kΩ 1/10W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1733-34	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1736	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1739	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1741	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1742	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R1743	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1744	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1745	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1746	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1747	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1749	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1750	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1753-54	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1756	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1757-58	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1759	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1772	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1773	NRSA02J-121X	MG R	120Ω 1/10W J	*
	R1774	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1775	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1776	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1777	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1791-99	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1801-04	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1805-07	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1821	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1822	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R1823	NRSA02J-153X	MG R	15kΩ 1/10W J	*
	R1824	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1825	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1826	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1831	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1832	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1833-34	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1835-36	NRSA02J-473X	MG R	47kΩ 1/10W J	*
⚠	R1901	QRF074K-R47	UNF R	0.47 Ω 7W K	*
	R1902	QRE121J-333Y	C R	33kΩ 1/2W J	*
	R1903	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1904-05	QRT029J-R22	MF R	0.22Ω 2W J	*
	R1909	QRE121J-332Y	C R	3.3kΩ 1/2W J	*
	R1912-13	QRE121J-333Y	C R	33kΩ 1/2W J	*
	R1914	QRE121J-2R2Y	C R	2.2Ω 1/2W J	*
	R1916	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1917	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1918	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
	R1919	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1920	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1924	QRG01GJ-221	OM R	220Ω 1W J	*
	R1925	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1926	QRT029J-R82	MF R	0.82Ω 2W J	*
	R1928	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1931	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1933	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1934	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1936	QRE121J-222Y	C R	2.2kΩ 1/2W J	*
	R1937	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1940	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1941	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1942	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1943	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1944	NRSA02J-393X	MG R	39kΩ 1/10W J	*
	R1945-46	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1947	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1948	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1949	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1951-52	QRT029J-1R2	MF R	1.2Ω 2W J	*
	R1954	QRE121J-272Y	C R	2.7kΩ 1/2W J	*
	R1955	QRE121J-473Y	C R	47kΩ 1/2W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1956	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1958-59	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1961	QRJ146J-3R3X	C R	3.3Ω 1/4W J	*
	R1962	QRL029J-472	OM R	4.7kΩ 2W J	*
	R1963	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1966	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1967	QRE121J-683Y	C R	68kΩ 1/2W J	*
	R1971	QRL029J-330	OM R	33Ω 2W J	*
	CAPACITOR				
	C1001	QETN1HM-475Z	E CAP.	4.7µF 50V M	*
	C1003	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1004	QETN1CM-227Z	E CAP.	220µF 16V M	*
	C1005	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1006	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1007	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1009	NDC21HJ-151X	C CAP.	150pF 50V J	*
	C1011	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1201	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1205	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1206	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1207	QETN1CM-108Z	E CAP.	1000µF 16V M	*
	C1208	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1225	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1231	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1233	NCB21HK-682X	C CAP.	6800pF 50V K	*
	C1234	NCB21EK-683X	C CAP.	0.068µF 25V K	*
	C1235	NCB21HK-223X	C CAP.	0.022µF 50V K	*
	C1241	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1242	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1243	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1251	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1252	QETN1HM-475Z	E CAP.	4.7µF 50V M	*
	C1253	QETN1HM-225Z	E CAP.	2.2µF 50V M	*
	C1254	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1255	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1256	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1271	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1281	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1283-87	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1288-89	QENC1CM-106Z	BP E CAP.	10µF 16V M	*
	C1301	NDC21HJ-9R0X	C CAP.	9.0pF 50V J	*
	C1302	NCB21HK-223X	C CAP.	0.022µF 50V K	*
	C1303	QENC1HM-105Z	BP E CAP.	1µF 50V M	*
	C1304	NCB21HK-223X	C CAP.	0.022µF 50V K	*
	C1305	NDC21HJ-180X	C CAP.	18pF 50V J	*
	C1306	NDC21HJ-101X	C CAP.	100pF 50V J	*
	C1307	QETN1AM-108Z	E CAP.	1000µF 10V M	*
	C1308	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1309	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1402	QFV71HJ-334Z	MF CAP.	0.33µF 50V J	*
	C1403	QFV71HJ-394Z	MF CAP.	0.39µF 50V J	*
	C1421	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1422	QFLC1HJ-103Z	M CAP.	0.01µF 50V J	*
	C1424	QETN1VM-107Z	E CAP.	100µF 35V M	*
	C1425	QETN1VM-477Z	E CAP.	470µF 35V M	*
	C1427	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1428	QETM1EM-228	E CAP.	2200µF 25V M	*
	C1431	QFLC1HJ-563Z	M CAP.	0.056µF 50V J	*
	C1432	QETN1HM-476Z	E CAP.	47µF 50V M	*
	C1433	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1434	NDC21HJ-100X	C CAP.	10pF 50V J	*
	C1435	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1436	QFN32AK-224	M CAP.	0.22µF 100V K	*
	C1501	QETN1CM-337Z	E CAP.	330µF 16V M	*
	C1502-03	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1504	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1505	NCB21HK-333X	C CAP.	0.033µF 50V K	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	CAPACITOR				
	C1506	NCB21HK-223X	C CAP.	0.022µF 50V K	*
	C1507	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1508	NDC21HG-201X	CHIP C CAP.	200pF 50V G	
	C1510	QETN1HM-225Z	E CAP.	2.2µF 50V M	*
	C1521	QCB32HK-151Z	C CAP.	150pF 500V K	*
	C1522	QCB32HK-331Z	C CAP.	330pF 500V K	*
	C1523	QETN2CM-105Z	E CAP.	1µF 160V M	*
⚠	C1531	QFZ0117-3501	MPP CAP.	3500pF1.4kVH±2.5%	*
⚠	C1532	QFZ0117-1302	MPP CAP.	0.013µF1.4kVH±2.5%	*
⚠	C1533	QFP32GJ-223	PP CAP.	0.022µF 400V J	*
	C1534	QEHR2EM-225Z	E CAP.	2.2µF 250V M	
⚠	C1535	QFZ0119-754	MPP CAP.	0.75µF 200V ±3%	*
	C1536	QCB32HK-561Z	C CAP.	560pF 500V K	*
	C1538	QEZ0420-107	E CAP.	100µF 160V M	*
	C1541	QETN2EM-106Z	E CAP.	10µF 250V M	*
	C1542	QETM1VM-108	E CAP.	1000µF 35V M	*
	C1544	QETN1VM-107Z	E CAP.	100µF 35V M	*
	C1545	QFLC2AJ-103Z	M CAP.	0.01µF 100V J	*
	C1546	QFV71HJ-684Z	MF CAP.	0.68µF 50V J	*
	C1551	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1578-79	QEM61HK-475Z	E CAP.	4.7µF 50V K	
	C1602	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C1604	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C1605	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1606	QETN1EM-108Z	E CAP.	1000µF 25V M	*
	C1607	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C1608-09	QETN1EM-108Z	E CAP.	1000µF 25V M	*
	C1613	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1615-17	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C1701	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1702	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1703	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1704	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1705	NDC21HJ-181X	C CAP.	180pF 50V J	*
	C1706	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C1708	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1710-11	NDC21HJ-390X	C CAP.	39pF 50V J	*
	C1712	NDC21HJ-270X	C CAP.	27pF 50V J	*
	C1714	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1715	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1716	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1717-18	NDC21HJ-330X	C CAP.	33pF 50V J	*
	C1719	NDC21HJ-471X	C CAP.	470pF 50V J	*
	C1720-21	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1731	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	C1736	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1741	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1743	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1744	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	C1746	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1771	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1772	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1773	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1774	QETN1CM-227Z	E CAP.	220µF 16V M	*
	C1784	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1801-03	QETN1HM-105Z	E CAP.	1µF 50V M	*
⚠	C1906	QCZ9078-102	C CAP.	1000pFAC250V M	*
⚠	C1907	QCZ9078-102	C CAP.	1000pFAC250V M	*
⚠	C1908	QCZ9078-102	C CAP.	1000pFAC250V M	*
⚠	C1910	QEZ0169-477	E CAP.	470µF 200V M	*
	C1911	QETN1VM-477Z	E CAP.	470µF 35V M	*
	C1912	QFN31HJ-102Z	M CAP.	1000pF 50V J	*
	C1913	QCZ0131-222	C CAP.	2200pF 2000V K	
	C1914	QCZ0325-391	C CAP.	390pF 2000V K	*
	C1918	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1919	NCB21HK-332X	C CAP.	3300pF 50V K	*
	C1920	QFLC1HJ-823Z	M CAP.	0.082µF 50V J	*
	C1921	QCZ0132-152Z	C CAP.	1500pF 500V K	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	CAPACITOR				
	C1923	QCZ0132-152Z	C CAP.	1500pF 500V K	*
	C1924	QEZ0420-107	E CAP.	100µF 160V M	*
	C1925	QCZ0132-152Z	C CAP.	1500pF 500V K	*
	C1926	QETM1VM-108	E CAP.	1000µF 35V M	*
	C1927	QETN1CM-227Z	E CAP.	220µF 16V M	*
	C1928	QETN1EM-108Z	E CAP.	1000µF 25V M	*
	C1931-32	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1933	QCZ0132-152Z	C CAP.	1500pF 500V K	*
	C1934	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1935	QETN1HM-107Z	E CAP.	100µF 50V M	*
	C1937	QETN2CM-106Z	E CAP.	10µF 160V M	*
	C1938	NDC21HJ-471X	C CAP.	470pF 50V J	*
	C1951	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1952	QETN1HM-476Z	E CAP.	47µF 50V M	*
	C1954	QETN1HM-226Z	E CAP.	22µF 50V M	*
	C1971	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1972	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1973	QETN1CM-108Z	E CAP.	1000µF 16V M	*
⚠	C1990	QCZ9074-103	C CAP.	0.01µFAC125V M	*
⚠	C1991	QCZ9074-103	C CAP.	0.01µFAC125V M	*
	TRANSFORMER				
	T1521	CE42034-002	H.DRIVE TRANSF.		*
⚠	T1522	QQH0051-001	F B T		*
⚠	T1901	CETS124-001J8	SW TRANSF.		*
	COIL				
	L1001-02	QQL29BJ-101Z	PEAKING COIL	100µH	*
	L1201	QQL29BJ-220Z	PEAKING COIL	22µH	*
⚠	L1531	CE41663-00B	LINEARITY COIL		*
	L1532	QQLZ016-821	CHOKE COIL		*
⚠	L1591	QQLZ018-280	HEATER CHOKE		*
	L1701	QQL29BJ-4R7Z	PEAKING COIL	4.7µH	*
	L1702	QQL244J-100Z	COIL	10µH	*
	L1771	QQL29BJ-4R7Z	PEAKING COIL	4.7µH	*
	L1921-22	QQL42AK-820Z	COIL	82µH	*
	DIODE				
	D1001	MTZJ33A-T2	ZENER DIODE		*
	D1241-42	1SS133-T2	SI.DIODE		*
	D1244-45	1SS133-T2	SI.DIODE		*
	D1421	1N4003-T2	SI.DIODE		*
	D1422	MTZJ75-T2	ZENER DIODE		*
	D1501	1SS133-T2	SI.DIODE		*
	D1502-03	MTZJ6.2B-T2	ZENER DIODE		*
	D1504	MTZJ5.1B-T2	ZENER DIODE		*
	D1531	RH3G-F1	SI.DIODE		*
	D1532	RU3AM-LFC4	SI.DIODE		*
	D1533	RGP10J-5025-T3	SI.DIODE		*
	D1541	RH1S-T3	SI.DIODE		*
	D1542	RGP10J-5025-T3	SI.DIODE		*
	D1544	1SS81-T2	SI.DIODE		*
	D1546	1SR124-400A-T2	SI.DIODE		*
	D1547	1SS81-T2	SI.DIODE		*
	D1549	MTZJ5.1B-T2	ZENER DIODE		*
⚠	D1551	MA4068N/Z1/-T2	ZENER DIODE		*
	D1560-61	1SS133-T2	SI.DIODE		*
	D1601-02	1SS133-T2	SI.DIODE		*
	D1608-10	1SS133-T2	SI.DIODE		*
	D1701-03	1SS133-T2	SI.DIODE		*
	D1704-05	MTZJ5.6B-T2	ZENER DIODE		*
	D1741-42	1SS133-T2	SI.DIODE		*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	DIODE				
	D1771-72	1SS133-T2	SI.DIODE		*
	D1821	MTZJ15A-T2	ZENER DIODE		*
	D1831-32	1SS133-T2	SI.DIODE		*
⚠	D1901	D3SBA60-S1	BRIDGE DIODE		*
	D1902	RGP10J-5025-T3	SI.DIODE		*
	D1903-04	1SS133-T2	SI.DIODE		*
	D1909	MTZJ15A-T2	ZENER DIODE		*
	D1910	RGP10J-5025-T3	SI.DIODE		*
	D1911	1SS133-T2	SI.DIODE		*
	D1912	MTZJ15A-T2	ZENER DIODE		*
	D1913-14	RGP10J-5025-T3	SI.DIODE		*
	D1916	RGP10J-5025-T3	SI.DIODE		*
	D1918	MTZJ15A-T2	ZENER DIODE		*
	D1919-20	1SS133-T2	SI.DIODE		*
	D1921	RU30A-F1	SI.DIODE		*
	D1922-23	RU3YX-LFC4	SI.DIODE		*
	D1925	RGP10J-5025-T3	SI.DIODE		*
	D1926-28	1SS133-T2	SI.DIODE		*
	D1931	1SS133-T2	SI.DIODE		*
	D1933	1SS133-T2	SI.DIODE		*
	D1942	MTZJ6.8A-T2	ZENER DIODE		*
	D1951	MTZJ7.5S-T2	ZENER DIODE		*
	TRANSISTOR				
	Q1001	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1201	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1203-04	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1205	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q1231	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1241-42	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1261	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1271-74	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1521	2SC4212/Z1/	SI.TRANSISTOR		*
⚠	Q1531	2SD2539-LB	SI.TRANSISTOR	H.OUT	*
	Q1541	2SA1037AK/QR/-X	SI.TRANSISTOR		*
⚠	Q1542	2SC2785/JH/-T	SI.TRANSISTOR		*
	Q1551-52	2SA1309A/QR/-T	SI.TRANSISTOR		*
⚠	Q1553	2SD1408/OY/-LB	SI.TRANSISTOR		*
	Q1602	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1603	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1604	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q1742	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1743-44	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1821	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q1822-23	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1831	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1832	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q1911	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q1912	2SD2088-T	SI.TRANSISTOR		*
	Q1921	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1922	2SD1383K/AB/-X	SI.TRANSISTOR		*
	Q1923	2SA1020/Y/-T	SI.TRANSISTOR		*
	Q1924	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1925	2SA949/Y/Z1-T	SI.TRANSISTOR		*
	Q1926	2SC2240/GL/-T	SI.TRANSISTOR		*
	Q1927-28	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1942	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1943	2SC2240/GL/-T	SI.TRANSISTOR		*
	Q1944	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1951	2SA949/Y/Z1-T	SI.TRANSISTOR		*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	IC				
	IC1001	BA17805T	I.C.(MONO-ANA)		*
	IC1201	JCC1007A	I.C.(MONO-ANA)		
	IC1281	M52055FP-X	I.C.(MONO-ANA)		
⚠	IC1421	LA7841	I.C.(MONO-ANA)		
	IC1423	AN78L09-T	I.C.(MONO-ANA)		*
⚠	IC1601	LA4485	I.C.(MONO-ANA)		*
	IC1701	MN1874878JR	I C		*
	IC1702	AT24C02-32D500	I C	(SERVICE)	
	IC1703	MN1381/Q/-T	I.C.(MONO-ANA)		*
	IC1771	AN77L05-T	I.C.(MONO-ANA)		*
⚠	IC1901	STR-F6626	I.C.(HYBRID)		
⚠	IC1941	SE135N	I.C.(HYBRID)		*
	IC1971	BA17809T	I.C.(MONO-ANA)		*
	OTHERS				
	CF1001	QAX0349-001	CERAMIC TRAP		*
	CF1501	CSB503F39	CER.RESONATOR		*
	CF1701	FCR12.0M2S	CER.RESONATOR		*
	CL1001	CM47653-001	P.W.B.HOLDER		*
	K1421	CE42050-001Z	CORE		*
	K1901-03	CE41433-001Z	BEADS CORE		*
	K1905-06	CE41433-001Z	BEADS CORE		*
	K1921-24	CE41433-001Z	BEADS CORE		*
⚠	PC1901	TLP621(B)	I.C.(PH.COUPLER)		*
⚠	PC1902	TLP621(B)	I.C.(PH.COUPLER)		*
⚠	RY1901	QSK0101-001	RELAY		*
⚠	RY1921	QSK0101-001	RELAY		*
	S1421	QSL4A13-C02	LEVER SWITCH	V SENTER	*
⚠	TH1901	CEKP007-002	P.THERMISTOR		*
⚠	TU1001	QAU0134-001	TUNER		*
	W1295	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1297	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1300	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1667-68	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1677	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1691-96	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1718-21	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1763-65	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1770	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1820	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1827-28	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1834	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1856	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1878-79	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1885	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1892	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1900	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W1907	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	X1301	QAX0310-001Z	CRYSTAL		
	Y1602	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	Y1604	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	Y1709	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	Y1711	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	Y1721-22	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*

CRT SOCKET P.W. BOARD ASS'Y (SGR-3001A-M2)

Refer to PARTS LIST in page 44 for this P.W. board.

FRONT CONTROL P.W. BOARD ASS'Y (SGR-4001A-M2)

Refer to PARTS LIST in page 44 for this P.W. board.

AV SELECTOR P.W. BOARD ASS'Y (SGR-8002A-M2)

Refer to PARTS LIST in page 45 for this P.W. board.

LINE FILTER P.W. BOARD ASS'Y (SGR-9002A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local	
	RESISTOR					
⚠	R9998	QRZ9041-275	C R	2.7MΩ 1/2W	K	*
	R9999	QRE121J-121Y	C R	120Ω 1/2W	J	*
	CAPACITOR					
⚠	C9901	QFZ9067-104	MPP CAP.	0.1μFAC275V	M	*
⚠	C9902	QFZ9067-473	MPP CAP.	0.047μFAC275V	M	*
⚠	C9903	QFZ9067-104	MPP CAP.	0.1μFAC275V	M	*
⚠	C9904	QCZ9052-102	C CAP.	1000pFAC125V	M	*
	OTHERS					
⚠	CN90PW	QMPD200-200-JC	POWER CORD			*
⚠	F9901	QMF0007-5R0J1	FUSE	5.0A		*
	FC9901	CEMG002-001Z	FUSE CLIP			*
⚠	LF9901	CELF001-001J1	LINE FILTER			*
⚠	LF9902	CE42335-001J1	LINE FILTER			*
⚠	VA9901	ERZV10V621CS	VARISTOR			*

IF P.W. BOARD ASS'Y (SGR0F001A-M2)

Refer to PARTS LIST in page 47 for this P.W. board.

PIP P.W. BOARD ASS'Y (SGR0P001A-M2)

Refer to PARTS LIST in page 48 for this P.W. board.

Ⅲ AV-32D500 (A US&A CA)

MAIN P.W. BOARD ASS'Y (SGR-1008A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1003	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R1004	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1005	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1006	NRSA02J-820X	MG R	82Ω 1/10W J	*
	R1201	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1202	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1203	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1204	NRSA02J-563X	MG R	56kΩ 1/10W J	*
	R1205	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1209	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1210	NRSA02J-272X	MG R	2.7kΩ 1/10W J	*
	R1212	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1213-14	NRSA02J-821X	MG R	820Ω 1/10W J	*
	R1215	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1216	NRSA02J-272X	MG R	2.7kΩ 1/10W J	*
	R1218-19	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1231	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1232	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R1233	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1234	NRSA02J-821X	MG R	820Ω 1/10W J	*
	R1235	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1236	NRSA02J-105X	MG R	1MΩ 1/10W J	*
	R1237	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1238	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1241	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1242	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1243	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
	R1245	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1246	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1247	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1248	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1251	NRVA02D-102X	MF R	1kΩ 1/10W D	*
	R1252	NRVA02D-681X	MF R	680Ω 1/10W D	*
	R1253	NRSA02J-183X	MG R	18kΩ 1/10W J	*
	R1254	NRSA02J-105X	MG R	1MΩ 1/10W J	*
	R1255	NRSA02J-124X	MG R	120kΩ 1/10W J	*
	R1261	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1262	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1263	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1271	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R1272	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1273	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1274-75	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1276	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1277	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1278	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
	R1279	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1280-83	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1301-02	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1401	NRVA02D-472X	MF R	4.7kΩ 1/10W D	
	R1421	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1423	NRSA02J-393X	MG R	39kΩ 1/10W J	*
	R1424	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1426	NRSA02J-183X	MG R	18kΩ 1/10W J	*
	R1427	QRT029J-1R5	MF R	1.5Ω 2W J	*
	R1429	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1431	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1432	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1433	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1434	QRL029J-181	OM R	180Ω 2W J	*
	R1435	QRE121J-102Y	C R	1kΩ 1/2W J	*
	R1441	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1501	QRK126J-151X	C R	150Ω 1/2W J	*
	R1502	NRSA02J-101X	MG R	100Ω 1/10W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1503	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1504	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R1505	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1506	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1507	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1508-09	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1510	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1511	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1512	NRSA02J-563X	MG R	56kΩ 1/10W J	*
	R1521	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1522	NRSA02J-271X	MG R	270Ω 1/10W J	*
	R1523	QRE121J-103Y	C R	10kΩ 1/2W J	*
	R1524-25	QRG029J-152	OM R	1.5kΩ 2W J	*
	R1531	QRE121J-220Y	C R	22Ω 1/2W J	*
	R1532	QRE121J-681Y	C R	680Ω 1/2W J	*
	R1533	QRL039J-103	OM R	10kΩ 3W J	*
⚠	R1541	QRK129J-150	C R	15Ω 1/2W J	*
	R1542	QRX01GJ-1R2	MF R	1.2Ω 1W J	*
⚠	R1544	QRZ9017-4R7	F R	4.7Ω 1/4W J	*
	R1545	QRE121J-822Y	C R	8.2kΩ 1/2W J	*
	R1547	QRE121J-154Y	C R	150kΩ 1/2W J	*
	R1548	QRE121J-184Y	C R	180kΩ 1/2W J	*
⚠	R1556	QRA14CF-7321Y	MF R	7.32kΩ 1/4W F	*
⚠	R1557	QRA14CF-3301Y	MF R	3.3kΩ 1/4W F	*
	R1558	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1559	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1560	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R1561	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1582	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1583	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1584	NRSA02J-821X	MG R	820Ω 1/10W J	*
	R1585	QRE121J-392Y	C R	3.9kΩ 1/2W J	*
	R1586	QRE121J-682Y	C R	6.8kΩ 1/2W J	*
	R1587	QRE121J-822Y	C R	8.2kΩ 1/2W J	*
	R1588	QRL039J-270	OM R	27Ω 3W J	*
	R1601	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1602	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1603	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1604	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1605	QRT029J-R15	MF R	0.15Ω 2W J	*
	R1606-07	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1611	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1617	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1615-16	NRSA02J-821X	MG R	820Ω 1/10W J	*
	R1617	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1701	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1703	NRSA02J-823X	MG R	82kΩ 1/10W J	*
	R1704	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1705	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1706	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1708	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1710	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1714-16	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1717	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1718	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1719	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1720	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1721	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1724	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1725	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1726-27	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1728-29	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1730-31	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1732	NRSA02J-224X	MG R	220kΩ 1/10W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1733-34	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1736	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1739	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1741	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1742	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R1743	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1744	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1745	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1746	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1747	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1749	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1750	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1753-54	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1756	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1757-58	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1759	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1772	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1773	NRSA02J-121X	MG R	120Ω 1/10W J	*
	R1774	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1775	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1776	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1777	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1791-99	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1801-04	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1805-07	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1821	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1822	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R1823	NRSA02J-153X	MG R	15kΩ 1/10W J	*
	R1824	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1825	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1826	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1831	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1832	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1833-34	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1835-36	NRSA02J-473X	MG R	47kΩ 1/10W J	*
⚠	R1901	QRF074K-R47	UNF R	0.47 Ω 7W K	*
	R1902	QRE121J-333Y	C R	33kΩ 1/2W J	*
	R1903	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1904-05	QRT029J-R22	MF R	0.22Ω 2W J	*
	R1909	QRE121J-332Y	C R	3.3kΩ 1/2W J	*
	R1912-13	QRE121J-333Y	C R	33kΩ 1/2W J	*
	R1914	QRE121J-2R2Y	C R	2.2Ω 1/2W J	*
	R1916	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1917	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1918	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
	R1919	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1920	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1924	QRG01GJ-221	OM R	220Ω 1W J	*
	R1925	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1926	QRT029J-R82	MF R	0.82Ω 2W J	*
	R1928	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1931	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1933	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1934	NRSA02J 104X	MG R	100kΩ 1/10W J	*
	R1936	QRE121J-222Y	C R	2.2kΩ 1/2W J	*
	R1937	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1940	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1941	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1942	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1943	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1944	NRSA02J-393X	MG R	39kΩ 1/10W J	*
	R1945-46	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1947	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1948	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1949	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1951-52	QRT029J-1R2	MF R	1.2Ω 2W J	*
	R1954	QRE121J-272Y	C R	2.7kΩ 1/2W J	*
	R1955	QRE121J-473Y	C R	47kΩ 1/2W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1956	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1958-59	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1961	QRJ146J-3R3X	C R	3.3Ω 1/4W J	*
	R1962	QRL029J-472	OM R	4.7kΩ 2W J	*
	R1963	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1966	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1967	QRE121J-683Y	C R	68kΩ 1/2W J	*
	R1971	QRL029J-330	OM R	33Ω 2W J	*
	CAPACITOR				
	C1001	QETN1HM-475Z	E CAP.	4.7µF 50V M	*
	C1003	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1004	QETN1CM-227Z	E CAP.	220µF 16V M	*
	C1005	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1006	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1007	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1009	NDC21HJ-151X	C CAP.	150pF 50V J	*
	C1011	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1201	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1205	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1206	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1207	QETN1CM-108Z	E CAP.	1000µF 16V M	*
	C1208	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1225	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1231	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1233	NCB21HK-682X	C CAP.	6800pF 50V K	*
	C1234	NCB21EK-683X	C CAP.	0.068µF 25V K	*
	C1235	NCB21HK-223X	C CAP.	0.022µF 50V K	*
	C1241	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1242	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1243	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1251	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1252	QETN1HM-475Z	E CAP.	4.7µF 50V M	*
	C1253	QETN1HM-225Z	E CAP.	2.2µF 50V M	*
	C1254	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1255	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1256	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1271	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1281	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1283-87	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1288-89	QENC1CM-106Z	BP E CAP.	10µF 16V M	*
	C1301	NDC21HJ-9R0X	C CAP.	9.0pF 50V J	*
	C1302	NCB21HK-223X	C CAP.	0.022µF 50V K	*
	C1303	QENC1HM-105Z	BP E CAP.	1µF 50V M	*
	C1304	NCB21HK-223X	C CAP.	0.022µF 50V K	*
	C1305	NDC21HJ-180X	C CAP.	18pF 50V J	*
	C1306	NDC21HJ-101X	C CAP.	100pF 50V J	*
	C1307	QETN1AM-108Z	E CAP.	1000µF 10V M	*
	C1308	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1309	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1402	QFV71HJ-334Z	MF CAP.	0.33µF 50V J	*
	C1403	QFV71HJ-394Z	MF CAP.	0.39µF 50V J	*
	C1421	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1422	QFLC1HJ-103Z	M CAP.	0.01µF 50V J	*
	C1424	QETN1VM-107Z	E CAP.	100µF 35V M	*
	C1425	QETN1VM-477Z	E CAP.	470µF 35V M	*
	C1427	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1428	QETM1EM-228	E CAP.	2200µF 25V M	*
	C1431	QFLC1HJ-563Z	M CAP.	0.056µF 50V J	*
	C1432	QETN1HM-476Z	E CAP.	47µF 50V M	*
	C1433	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1434	NDC21HJ-100X	C CAP.	10pF 50V J	*
	C1435	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1436	QFN32AK-224	M CAP.	0.22µF 100V K	*
	C1501	QETN1CM-337Z	E CAP.	330µF 16V M	*
	C1502-03	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1504	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1505	NCB21HK-333X	C CAP.	0.033µF 50V K	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	CAPACITOR				
	C1506	NCB21HK-223X	C CAP.	0.022µF 50V K	*
	C1507	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1508	NDC21HG-201X	CHIP C CAP.	200pF 50V G	
	C1510	QETN1HM-225Z	E CAP.	2.2µF 50V M	*
	C1521	QCB32HK-151Z	C CAP.	150pF 500V K	*
	C1522	QCB32HK-331Z	C CAP.	330pF 500V K	*
	C1523	QETN2CM-105Z	E CAP.	1µF 160V M	*
⚠	C1531	QFZ0117-3501	MPP CAP.	3500pF1.4kVH±2.5%	*
⚠	C1532	QFZ0117-1302	MPP CAP.	0.013µF1.4kVH±2.5%	*
⚠	C1533	QFP32GJ-223	PP CAP.	0.022µF 400V J	*
	C1534	QEHR2EM-225Z	E CAP.	2.2µF 250V M	
⚠	C1535	QFZ0119-564	MPP CAP.	0.56µF 200V ±3%	*
	C1536	QCB32HK-561Z	C CAP.	560pF 500V K	*
	C1538	QEZ0420-107	E CAP.	100µF 160V M	*
	C1541	QETN2EM-106Z	E CAP.	10µF 250V M	*
	C1542	QETM1VM-108	E CAP.	1000µF 35V M	*
	C1544	QETN1VM-107Z	E CAP.	100µF 35V M	*
	C1545	QFLC2AJ-103Z	M CAP.	0.01µF 100V J	*
	C1546	QFV71HJ-684Z	MF CAP.	0.68µF 50V J	*
	C1551	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1578-79	QEM61HK-475Z	E CAP.	4.7µF 50V K	
	C1602	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C1604	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C1605	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1606	QETN1EM-108Z	E CAP.	1000µF 25V M	*
	C1607	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C1608-09	QETN1EM-108Z	E CAP.	1000µF 25V M	*
	C1613	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1615-17	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C1701	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1702	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1703	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1704	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1705	NDC21HJ-181X	C CAP.	180pF 50V J	*
	C1706	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C1708	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1710-11	NDC21HJ-390X	C CAP.	39pF 50V J	*
	C1712	NDC21HJ-270X	C CAP.	27pF 50V J	*
	C1714	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1715	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1716	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1717-18	NDC21HJ-330X	C CAP.	33pF 50V J	*
	C1719	NDC21HJ-471X	C CAP.	470pF 50V J	*
	C1720-21	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1731	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	C1736	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1741	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1743	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1744	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	C1746	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1771	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1772	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1773	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1774	QETN1CM-227Z	E CAP.	220µF 16V M	*
	C1784	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1801-03	QETN1HM-105Z	E CAP.	1µF 50V M	*
⚠	C1906	QCZ9078-102	C CAP.	1000pFAC250V M	*
⚠	C1907	QCZ9078-102	C CAP.	1000pFAC250V M	*
⚠	C1908	QCZ9078-102	C CAP.	1000pFAC250V M	*
⚠	C1910	QEZ0169-477	E CAP.	470µF 200V M	*
	C1911	QETN1VM-477Z	E CAP.	470µF 35V M	*
	C1912	QFN31HJ-102Z	M CAP.	1000pF 50V J	*
	C1913	QCZ0131-222	C CAP.	2200pF 2000V K	
	C1914	QCZ0325-391	C CAP.	390pF 2000V K	*
	C1918	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1919	NCB21HK-332X	C CAP.	3300pF 50V K	*
	C1920	QFLC1HJ-823Z	M CAP.	0.082µF 50V J	*
	C1921	QCZ0132-152Z	C CAP.	1500pF 500V K	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	CAPACITOR				
	C1923	QCZ0132-152Z	C CAP.	1500pF 500V K	*
	C1924	QEZ0420-107	E CAP.	100µF 160V M	*
	C1925	QCZ0132-152Z	C CAP.	1500pF 500V K	*
	C1926	QETM1VM-108	E CAP.	1000µF 35V M	*
	C1927	QETN1CM-227Z	E CAP.	220µF 16V M	*
	C1928	QETN1EM-108Z	E CAP.	1000µF 25V M	*
	C1931-32	QETN1EM-476Z	E CAP.	47µF 25V M	*
	C1933	QCZ0132-152Z	C CAP.	1500pF 500V K	*
	C1934	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1935	QETN1HM-107Z	E CAP.	100µF 50V M	*
	C1937	QETN2CM-106Z	E CAP.	10µF 160V M	*
	C1938	NDC21HJ-471X	C CAP.	470pF 50V J	*
	C1951	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1952	QETN1HM-476Z	E CAP.	47µF 50V M	*
	C1954	QETN1HM-226Z	E CAP.	22µF 50V M	*
	C1971	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1972	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1973	QETN1CM-108Z	E CAP.	1000µF 16V M	*
⚠	C1990	QCZ9074-103	C CAP.	0.01µFAC125V M	*
⚠	C1991	QCZ9074-103	C CAP.	0.01µFAC125V M	*
	TRANSFORMER				
	T1521	CE42034-002	H.DRIVE TRANSF.		*
⚠	T1522	QQH0051-001	F B T		*
⚠	T1901	CETS124-001J8	SW TRANSF.		*
	COIL				
	L1002	QQL29BJ-101Z	PEAKING COIL	100µH	*
	L1201	QQL29BJ-220Z	PEAKING COIL	22µH	*
⚠	L1531	CE41663-00B	LINEARITY COIL		*
	L1532	QQLZ016-821	CHOKE COIL		*
⚠	L1591	QQLZ018-280	HEATER CHOKE		*
	L1701	QQL29BJ-4R7Z	PEAKING COIL	4.7µH	*
	L1702	QQL244J-100Z	COIL	10µH	*
	L1771	QQL29BJ-4R7Z	PEAKING COIL	4.7µH	*
	L1921-22	QQL42AK-820Z	COIL	82µH	*
	DIODE				
	D1001	MTZJ33A-T2	ZENER DIODE		*
	D1241-42	1SS133-T2	SI.DIODE		*
	D1244-45	1SS133-T2	SI.DIODE		*
	D1421	1N4003-T2	SI.DIODE		*
	D1422	MTZJ75-T2	ZENER DIODE		*
	D1501	1SS133-T2	SI.DIODE		*
	D1502-03	MTZJ6.2B-T2	ZENER DIODE		*
	D1504	MTZJ5.1B-T2	ZENER DIODE		*
	D1531	RH3G-F1	SI.DIODE		*
	D1532	RU3AM-LFC4	SI.DIODE		*
	D1533	RGP10J-5025-T3	SI.DIODE		*
	D1541	RH1S-T3	SI.DIODE		*
	D1542	RGP10J-5025-T3	SI.DIODE		*
	D1544	1SS81-T2	SI.DIODE		*
	D1546	1SR124-400A-T2	SI.DIODE		*
	D1547	1SS81-T2	SI.DIODE		*
	D1549	MTZJ5.1B-T2	ZENER DIODE		*
⚠	D1551	MA4068N/Z1/-T2	ZENER DIODE		*
	D1560-61	1SS133-T2	SI.DIODE		*
	D1601-02	1SS133-T2	SI.DIODE		*
	D1608-10	1SS133-T2	SI.DIODE		*
	D1701-03	1SS133-T2	SI.DIODE		*
	D1704-05	MTZJ5.6B-T2	ZENER DIODE		*
	D1741-42	1SS133-T2	SI.DIODE		*
	D1771-72	1SS133-T2	SI.DIODE		*
	D1821	MTZJ15A-T2	ZENER DIODE		*
	D1831-32	1SS133-T2	SI.DIODE		*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	DIODE				
⚠	D1901	D3SBA60-S1	BRIDGE DIODE		*
	D1902	RGP10J-5025-T3	SI.DIODE		*
	D1903-04	1SS133-T2	SI.DIODE		*
	D1909	MTZJ15A-T2	ZENER DIODE		*
	D1910	RGP10J-5025-T3	SI.DIODE		*
	D1911	1SS133-T2	SI.DIODE		*
	D1912	MTZJ15A-T2	ZENER DIODE		*
	D1913-14	RGP10J-5025-T3	SI.DIODE		*
	D1916	RGP10J-5025-T3	SI.DIODE		*
	D1918	MTZJ15A-T2	ZENER DIODE		*
	D1919-20	1SS133-T2	SI.DIODE		*
	D1921	RU30A-F1	SI.DIODE		*
	D1922-23	RU3YX-LFC4	SI.DIODE		*
	D1925	RGP10J-5025-T3	SI.DIODE		*
	D1926-28	1SS133-T2	SI.DIODE		*
	D1931	1SS133-T2	SI.DIODE		*
	D1933	1SS133-T2	SI.DIODE		*
	D1942	MTZJ6.8A-T2	ZENER DIODE		*
	D1951	MTZJ7.5S-T2	ZENER DIODE		*
	TRANSISTOR				
	Q1001	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1201	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1203-04	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1205	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q1231	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1241-42	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1261	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1271-74	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1521	2SC4212/Z1/	SI.TRANSISTOR		*
⚠	Q1531	2SD2539-LB	SI.TRANSISTOR	H.OUT	*
	Q1541	2SA1037AK/QR/-X	SI.TRANSISTOR		*
⚠	Q1542	2SC2785/JH/-T	SI.TRANSISTOR		*
	Q1551-52	2SA1309A/QR/-T	SI.TRANSISTOR		*
⚠	Q1553	2SD1408/OY/-LB	SI.TRANSISTOR		*
	Q1602	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1603	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1604	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q1742	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1743-44	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1821	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q1822-23	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1831	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1832	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q1911	2SA1037AK/QR/-X	SI.TRANSISTOR		*
	Q1912	2SD2088-T	SI.TRANSISTOR		*
	Q1921	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1977	2SD1383K/AB/-X	SI.TRANSISTOR		*
	Q1923	2SA1020/Y/-T	SI.TRANSISTOR		*
	Q1924	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1925	2SA949/Y/Z1-T	SI.TRANSISTOR		*
	Q1926	2SC2240/GL/-T	SI.TRANSISTOR		*
	Q1927-28	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1942	2SC2412K/QR/-X	SI.TRANSISTOR		*
	Q1943	2SC2240/GL/-T	SI.TRANSISTOR		*
	Q1944	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1951	2SA949/Y/Z1-T	SI.TRANSISTOR		*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	IC				
	IC1001	BA17805T	I.C.(MONO-ANA)		*
	IC1201	JCC1007A	I.C.(MONO-ANA)		
	IC1281	M52055FP-X	I.C.(MONO-ANA)		
⚠	IC1421	LA7841	I.C.(MONO-ANA)		
	IC1423	AN78L09-T	I.C.(MONO-ANA)		*
⚠	IC1601	LA4485	I.C.(MONO-ANA)		*
	IC1701	MN1874878JR	I C		*
	IC1702	AT24C02-32D500	I C	(SERVICE)	
	IC1703	MN1381/Q/-T	I.C.(MONO-ANA)		*
	IC1771	AN77L05-T	I.C.(MONO-ANA)		*
	IC1781	AN7705F	I.C(MONO-ANA)		
⚠	IC1901	STR-F6626	I.C.(HYBRID)		
⚠	IC1941	SE135N	I.C.(HYBRID)		*
	IC1971	BA17809T	I.C.(MONO-ANA)		*
	OTHERS				
	CF1001	QAX0349-001	CERAMIC TRAP		*
	CF1501	CSB503F39	CER.RESONATOR		*
	CF1701	FCR12.0M2S	CER.RESONATOR		*
	CL1001	CM47653-001	P.W.B.HOLDER		*
	K1421	CE42050-001Z	CORE		*
	K1901-03	CE41433-001Z	BEADS CORE		*
	K1905-06	CE41433-001Z	BEADS CORE		*
	K1921-24	CE41433-001Z	BEADS CORE		*
⚠	PC1901	TLP621(B)	I.C.(PH.COUPLER)		*
⚠	PC1902	TLP621(B)	I.C.(PH.COUPLER)		*
⚠	RY1901	QSK0101-001	RELAY		*
⚠	RY1921	QSK0101-001	RELAY		*
	S1421	QSL4A13-C02	LEVER SWITCH	V SENTER	*
⚠	TH1901	CEKP007-002	P.THERMISTOR		*
⚠	TU1001	QAU0134-001	TUNER		*
	W1295	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1297	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1300	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1667-68	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1677	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1691-96	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1718-21	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1763-65	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1770	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1811	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1820	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1827-28	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1834	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1856	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1878-79	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1885	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1892	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1896	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1900	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	W1902	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	X1301	QAX0310-001Z	CRYSTAL		
	Y1602	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	Y1604	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	Y1709	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	Y1711	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*
	Y1721-22	NRSA02J-0ROX	MG R	0.0Ω 1/10W J	*

CRT SOCKET P.W. BOARD ASS'Y (SGR-3001A-M2)

Refer to PARTS LIST in page 44 for this P.W. board.

FRONT CONTROL P.W. BOARD ASS'Y (SGR-4001A-M2)

Refer to PARTS LIST in page 44 for this P.W. board.

AV SELECTOR P.W. BOARD ASS'Y (SGR-8002A-M2)

Refer to PARTS LIST in page 45 for this P.W. board.

LINE FILTER P.W. BOARD ASS'Y (SGR-9002A-M2)

Refer to PARTS LIST in page 56 for this P.W. board.

IF P.W. BOARD ASS'Y (SGR0F001A-M2)

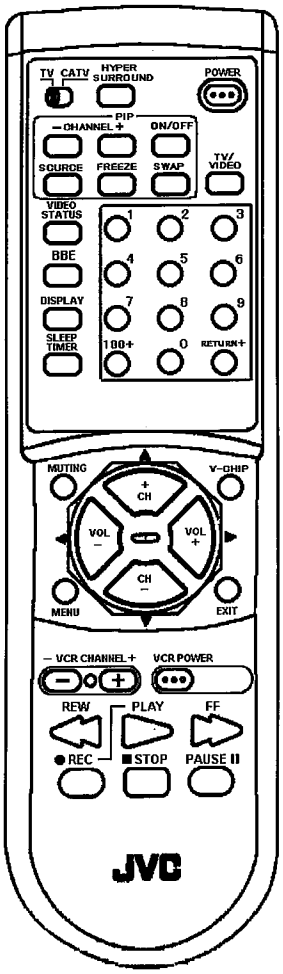
Refer to PARTS LIST in page 47 for this P.W. board.

PIP P.W. BOARD ASS'Y (SGR0P001A-M2)

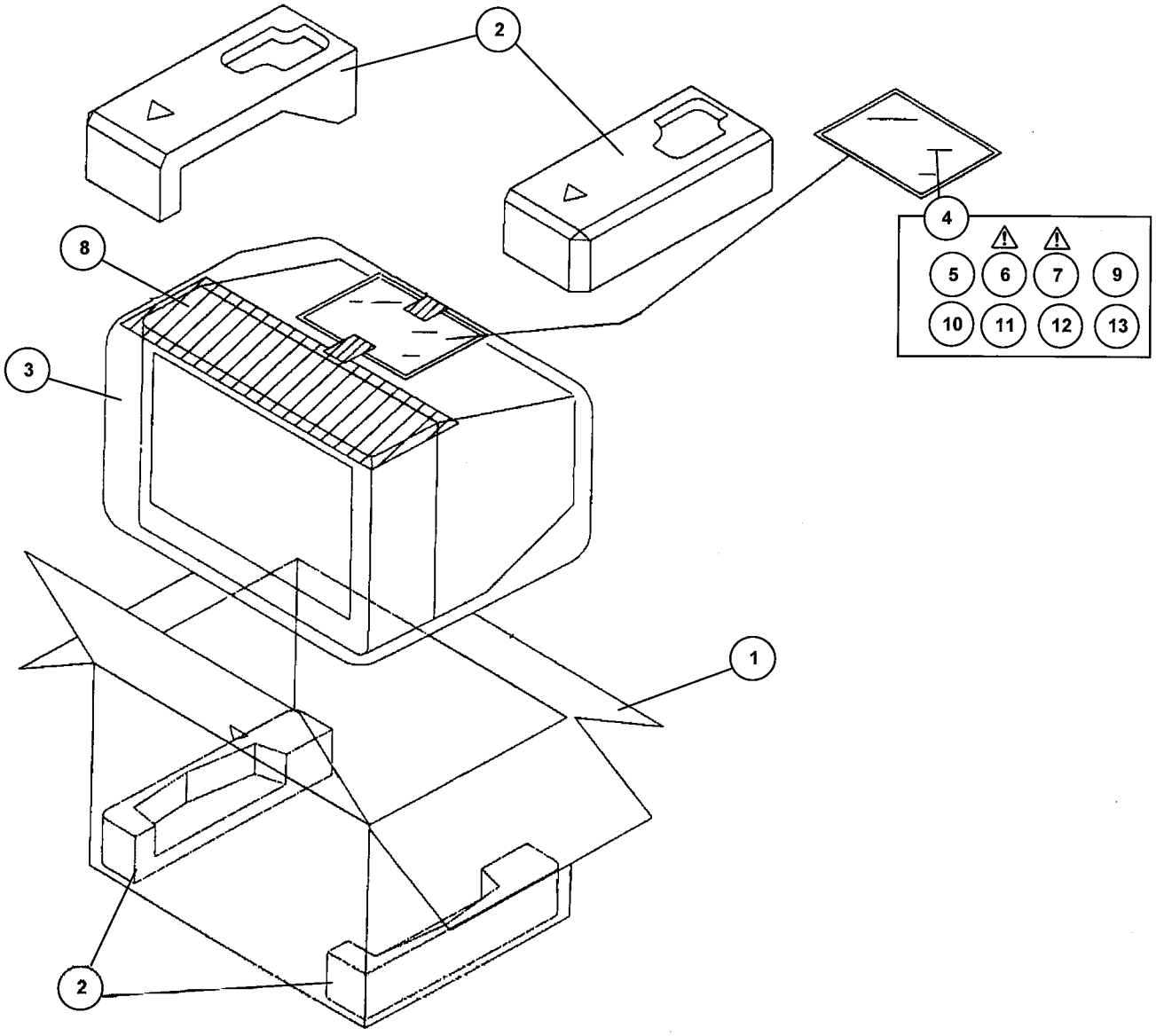
Refer to PARTS LIST in page 48 for this P.W. board.

REMOTE CONTROL UNIT PARTS LIST (RM-C343-1A) (AV-27D500 / AV-32D500)

⚠	Ref.No.	Part No.	Part Name	Description	Local
		UR52EC1286A	BATTERY COVER	(RM-C343-1A)	*



PACKING



PACKING PARTS LIST

[AV-32D500 (US&CA)]

⚠	Ref.No.	Part No.	Part Name	Description	Local
	[America Model]				
	1	LC10181-009A-A	PACKING CASE		*
	2	LC10365-002A-A	CUSHION ASSY	4pcs in 1set	*
	3	CP30056-004-A	POLY BAG		*
	4	QPGA025-03505A	POLY BAG		*
	5	RM-C343-1A	REMOCON UNIT		*
⚠	6	LCT0328-001A-A	INST BOOK	[ENGLISH]	*
	8	CP30055-A02-A	TOP COVER		*
	9	BT-51006-1Q	REGISTER CARD		*
	10	LCT0414-001A-A	QUICK SETUP GUID	[ENGLISH]	*
	[Canada Model]				
	1	LC10181-009A-A	PACKING CASE		*
	2	LC10365-002A-A	CUSHION ASSY	4pcs in 1set	*
	3	CP30056-004-A	POLY BAG		*
	4	QPGA025-03505A	POLY BAG		*
	5	RM-C343-1A	REMOCON UNIT		*
⚠	6	LCT0328-001A-A	INST BOOK	[ENGLISH]	*
⚠	7	LCT0329-001A-A	INST BOOK	[FRENCH]	*
	8	CP30055-A02-A	TOP COVER		*
	10	LCT0414-001A-A	QUICK SETUP GUID	[ENGLISH]	*
	11	LCT0415-001A-A	QUICK SETUP GUID	[FRENCH]	*
	12	BT-52002-1Q	WARRANTY CARD		*
	13	BT-20071B-Q	SVC CENTER LIST		*

[AV-32D500 (A US&A CA)]

⚠	Ref.No.	Part No.	Part Name	Description	Local
	[America Model]				
	1	LC10181-009A-A	PACKING CASE		*
	2	LC10365-002A-A	CUSHION ASSY	4pcs in 1set	*
	3	CP30056-004-A	POLY BAG		*
	4	RM-C343-1A	REMOCON UNIT		*
	5	QPGA025-03505A	POLY BAG		*
⚠	6	LCT0328-001A-A	INST BOOK	[ENGLISH]	*
	8	CP30055-A02-A	TOP COVER		*
	9	BT-51006-1Q	REGISTER CARD		*
	10	LCT0414-001A-A	QUICK SETUP GUID	[ENGLISH]	*
	[Canada Model]				
	1	LC10181-009A-A	PACKING CASE		*
	2	LC10365-002A-A	CUSHION ASSY	4pcs in 1set	*
	3	CP30056-004-A	POLY BAG		*
	4	QPGA025-03505A	POLY BAG		*
	5	RM-C343-1A	REMOCON UNIT		*
⚠	6	LCT0328-001A-A	INST BOOK	[ENGLISH]	*
⚠	7	LCT0329-001A-A	INST BOOK	[FRENCH]	*
	8	CP30055-A02-A	TOP COVER		*
					*
	10	LCT0414-001A-A	QUICK SETUP GUID	[ENGLISH]	*
	11	LCT0415-001A-A	QUICK SETUP GUID	[FRENCH]	*
	12	BT-52002-1Q	WARRANTY CARD		*
	13	BT-20071B-Q	SVC CENTER LIST		*

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JVC

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AV32D500-USM #4 AV32D500-CAM #999
AV32D500AUSM #999 AV32D500ACAM #999

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